

Converting Colors

XYZ(64.6274, 86.3488, 15.6445)

Have a look what the booklet for
XYZ(64.6274, 86.3488, 15.6445)
contains.

| | |
|--|----|
| XYZ(64.5335, 86.3008, 15.6393) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(64.5335, 86.3008,
15.6393)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D8FF2C |
| RGB | 216, 255, 44 |
| RGB Percent | 85%, 100%, 17% |
| CMY | 0.1529, 0.0000, 0.8274 |
| CMYK | 0.15, 0.00, 0.83, 0.00 |
| HSL | 71°, 100%, 59% |
| HSV | 71°, 83%, 100% |
| XYZ | 64.5335, 86.3008, 15.6393 |
| YIQ | 219.2850, 44.4870, -73.8890 |

Conversions

Conversions Part 2

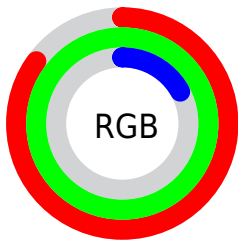
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 44, 255, 83 |
| Decimal | 14221100 |
| CIELab | 94.44, -36.58, 85.67 |
| CIELCh | 94, 93.156, 113.120 |
| Yxy | 86.3008, 0.3877, 0.5184 |
| Android (android.graphics.Color) | 4292411180 (0xFFD8FF2C) |
| YUV | 219.2850, -86.4155, -2.8809 |
| Hunter-Lab | 92.8982, -38.5735, 55.0474 |

Details

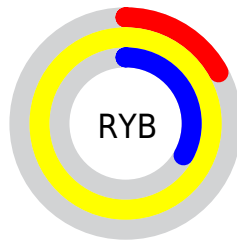
The XYZ color **64.5335, 86.3008, 15.6393** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.5195, 10.8618, 95.5174**, and the grayscale version is **68.0902, 71.6362, 78.0118**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.9044, 47.4561, 7.3730** is the 20% darker color. If you saturate the color by 10%, you get **62.8193, 85.4565, 13.7783**, and if you desaturate by 10%, it is **66.5815, 87.2832, 19.0520**.

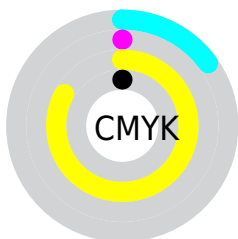
Distribution



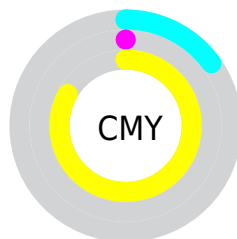
- Red (85%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (33%)



- Cyan (15%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5335, 86.3008, 15.6393 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.5335, 86.3008, 15.6393 by changing the saturation by 10% instead.


 64.5335, 86.3008,
15.6393

 64.5335, 86.3008,
15.6393


430.6854,
515.9225, 238.9764

 47.3462, 64.9167,
9.1177


 110.4484,
142.1892, 36.7289


 33.5185, 47.3936,
4.7202


 139.9066,
177.4623, 52.1340

 22.6851, 33.3469,
2.0282

 174.1859,
218.1338, 71.3373

 14.4806, 22.3923,
0.5725

 213.6516,
264.5883, 94.7574

 8.5396, 14.1455,
0.0000

 258.6691,
317.2100, 122.8128

 4.4968, 8.2219,
0.0000

309.6036,

 1.9869, 4.2373,

376.3833, 155.9221

0.0000

366.8206,
442.4927, 194.5038

■ 0.6266, 1.8072,
0.0000

■ 0.0000, 0.4916,
0.0000

■ 64.5335, 86.3008,
15.6393

■ 64.5335, 86.3008,
15.6393

■ 62.8193, 85.4565,
13.7783


■ 66.5815, 87.2832,
19.0520


■ 61.7341, 84.9101,
13.1356


■ 69.0105, 88.4226,
24.2593

■ 71.8594, 89.7347,
31.4657

■ 75.1619, 91.2330,
40.8471

 78.9480, 92.9294,
52.5604

 83.2452, 94.8351,
66.7478

 88.0785, 96.9601,
83.5402

 93.4714, 99.3138,
103.0594

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9312, 86.3008, 12.7825



64.5335, 86.3008, 15.6393



49.2220, 86.3008, 33.1220

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5335, 86.3008, 15.6393



56.3874, 86.3008, 253.0840



139.7248, 86.3008, 111.4750

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.5335, 86.3008, 15.6393



22.5195, 10.8618, 95.5174

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.8896, 86.3008, 203.4140



64.5335, 86.3008, 15.6393



76.3919, 86.3008, 308.1569

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5335, 86.3008, 15.6393



45.2310, 86.3008, 159.1882



102.4250, 86.3008, 286.4312



134.7629, 86.3008, 49.5508

Rectangle

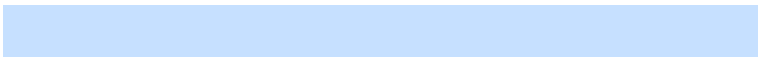
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5335, 86.3008, 15.6393



44.0361, 86.3008, 59.3404



102.4250, 86.3008, 286.4312



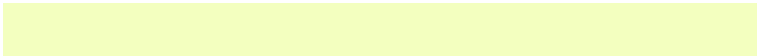
137.2746, 86.3008, 139.9710

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.5335, 86.3007, 15.6404



82.2282, 94.3857, 63.3190



44.7646, 27.5815, 5.3484



17.2732, 20.0576, 12.4674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5335, 86.3007, 15.6404



61.8807, 84.9841, 13.2153



42.7483, 75.0701, 14.6209



19.2126, 20.9110, 19.1680



32.3759, 44.4285, 6.8692



3.2337, 4.3678, 0.6726

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.5195, 10.8618, 95.5174



19.3547, 7.9337, 95.1190



39.7363, 19.7374, 96.3231



17.3162, 17.5392, 22.7227



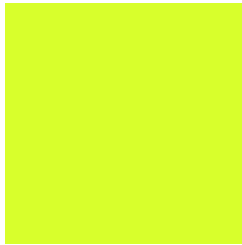
10.1367, 4.1361, 49.6987



1.0669, 0.4439, 4.8427

Previews

White Background



This preview shows how the XYZ color 64.5335, 86.3008, 15.6393 looks on a white background.

Color Contrast Check

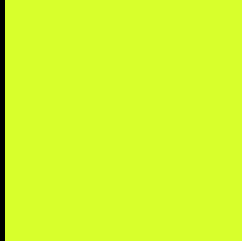
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.5335, 86.3008, 15.6393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

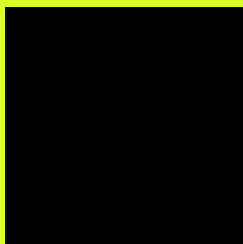
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5335, 86.3008, 15.6393

Background



This preview shows how black text looks on a background with the XYZ color 64.5335, 86.3008, 15.6393.

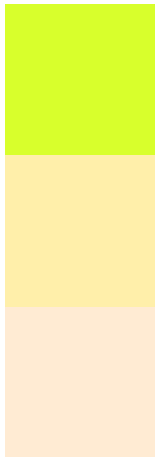


This preview shows how white text looks on a background with the XYZ color 64.5335, 86.3008,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.5335, 86.3008, 15.6393

Protanopia

79.3622, 85.8953, 50.4268

Deuteranopia

82.7062, 85.3798, 73.7489



Tritanopia

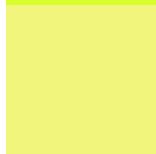
82.9263, 85.6212, 106.7636

Trichromacy



Original Color

64.5335, 86.3008, 15.6393



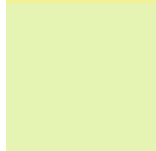
Protanomaly

72.5661, 85.4608, 31.7397



Deuteranomaly

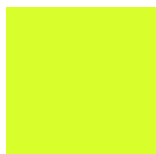
73.5328, 84.4070, 41.2708



Tritanomaly

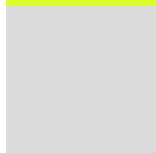
72.6997, 84.5737, 54.6122

Monochromacy



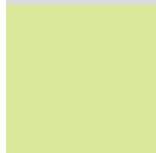
Original Color

64.5335, 86.3008, 15.6393



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.6864, 74.9852, 42.1273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5335, 86.3008, 15.6393 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 44)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 44) }
```

Border

The CSS property to change the border of an element to XYZ 64.5335, 86.3008, 15.6393 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 44) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(216, 255, 44) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(216, 255, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5335, 86.3008, 15.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 44) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
255, 44) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor