

Converting Colors

XYZ(72.1410, 100.0000,
24.2527)

Have a look what the booklet for
XYZ(72.1410, 100.0000, 24.2527)
contains.

| | |
|--|----|
| XYZ(65.4640, 86.6390, 22.0768) | 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(65.4640, 86.6390,
22.0768)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D7FF56 |
| RGB | 215, 255, 86 |
| RGB Percent | 84%, 100%, 34% |
| CMY | 0.1569, 0.0000, 0.6627 |
| CMYK | 0.16, 0.00, 0.66, 0.00 |
| HSL | 74°, 100%, 67% |
| HSV | 74°, 66%, 100% |
| XYZ | 65.4640, 86.6390, 22.0768 |
| YIQ | 223.7740, 30.4090, -61.0390 |

Conversions

Conversions Part 2

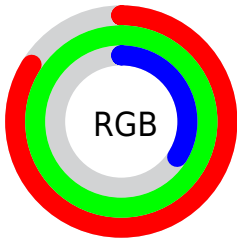
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 86, 255, 126 |
| Decimal | 14155606 |
| CIE Lab | 94.58, -35.10, 73.17 |
| CIE LCh | 95, 81.150, 115.626 |
| Yxy | 86.6390, 0.3758, 0.4974 |
| Android (android.graphics.Color) | 4292345686 (0xFFD7FF56) |
| YUV | 223.7740, -67.9226, -7.6948 |
| Hunter-Lab | 93.0801, -37.3496, 51.0936 |

Details

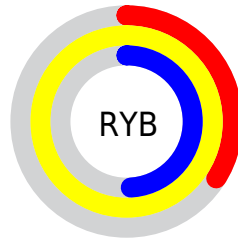
The XYZ color **65.4640, 86.6390, 22.0768** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **29.9834, 18.3126, 96.5621**, and the grayscale version is **71.1442, 74.8492, 81.5108**.

A 20% lighter version of the original color is **81.9579, 94.7632, 39.9581**, and **34.1714, 47.5853, 7.7646** is the 20% darker color. If you saturate the color by 10%, you get **62.8732, 85.4016, 17.5158**, and if you desaturate by 10%, it is **68.4866, 88.0565, 28.5723**.

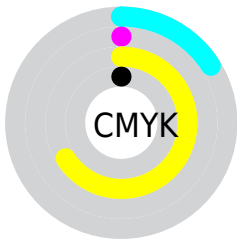
Distribution



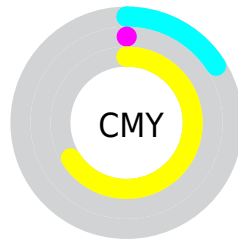
- Red (84%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4640, 86.6390, 22.0768 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 65.4640, 86.6390, 22.0768 by changing the saturation by 10% instead.


 65.4640, 86.6390,
22.0768

 65.4640, 86.6390,
22.0768


433.9764,
517.0359, 275.9137


 48.1035, 65.1965,
13.7145


 111.7787,
142.6609, 47.7767


 34.1205, 47.6204,
7.7859


 141.4636,
178.0090, 65.9514

 23.1495, 33.5264,
3.8724


 175.9874,
218.7612, 88.2339

 14.8252, 22.5300,
1.5556

 215.7153,
265.3017, 115.0429

 8.7823, 14.2469,
0.2589

261.0129,
318.0151, 146.7968

 4.6554, 8.2926,
0.0000

312.2453,

 2.0792, 4.2827,

377.2856, 183.9142

0.0000

369.7781,
443.4978, 226.8137

0.6779, 1.8329,
0.0000

0.0000, 0.5076,
0.0000

65.4640, 86.6390,
22.0768

65.4640, 86.6390,
22.0768

62.8732, 85.4016,
17.5158

68.4866, 88.0565,
28.5723

60.6723, 84.3277,
14.6697

71.9767, 89.6687,
37.1833

58.8097, 83.3965,
13.2705

75.9658, 91.4883,
48.0738

58.1732, 83.0744,
12.9689

80.4825, 93.5266,
61.3907

■ 85.5530, 95.7944,
77.2689

■ 91.2017, 98.3014,
95.8330

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.



85.5971, 86.6390, 17.9920



65.4640, 86.6390, 22.0768



52.2832, 86.6390, 41.3617

Triad

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



65.4640, 86.6390, 22.0768



60.8112, 86.6390, 232.7683



131.8055, 86.6390, 103.8226

Complementary

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



65.4640, 86.6390, 22.0768



29.9834, 18.3126, 96.5621

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.



122.1682, 86.6390, 179.9925



65.4640, 86.6390, 22.0768



79.1817, 86.6390, 272.6162

Square

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



65.4640, 86.6390, 22.0768



49.9494, 86.6390, 156.6089



101.9103, 86.6390, 249.9482



126.3882, 86.6390, 51.2409

Rectangle

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



65.4640, 86.6390, 22.0768



47.9555, 86.6390, 67.4813



101.9103, 86.6390, 249.9482



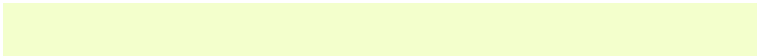
130.1783, 86.6390, 127.5079

Sweetspot

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



65.4640, 86.6389, 22.0780



83.5965, 94.9216, 71.0424



50.3091, 36.7103, 13.2395



17.5885, 20.1809, 14.2531



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.



65.4640, 86.6389, 22.0780



62.0097, 84.9832, 16.2671



46.8110, 77.0229, 21.2050



19.1163, 20.8614, 19.1634



30.5361, 43.4800, 6.7831



3.0696, 4.2832, 0.6650

Inverse Universe

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



29.9834, 18.3126, 96.5621



24.4108, 12.2565, 95.6869



47.9380, 27.5686, 97.4024



17.4054, 17.5852, 22.7269



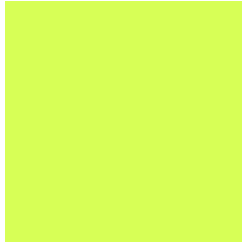
10.5256, 4.3366, 49.7169



1.1168, 0.4696, 4.8451

Previews

White Background



This preview shows how the XYZ color 65.4640, 86.6390, 22.0768 looks on a white background.

Color Contrast Check

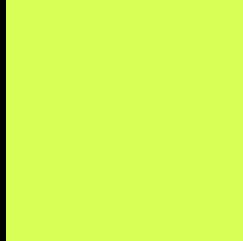
Large Text (above 18pt) WCAG AA × Fail

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 65.4640, 86.6390, 22.0768 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 65.4640, 86.6390, 22.0768

Background



This preview shows how black text looks on a background with the XYZ color 65.4640, 86.6390, 22.0768.

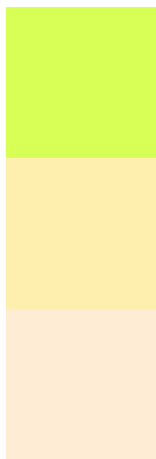


This preview shows how white text looks on a background with the XYZ color 65.4640, 86.6390,

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

65.4640, 86.6390, 22.0768

Protanopia

79.7465, 86.0490, 52.4504

Deuteranopia

83.2457, 86.0550, 75.1735



Tritanopia

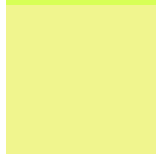
82.5562, 85.8615, 106.8295

Trichromacy



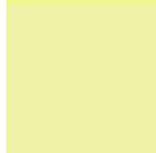
Original Color

65.4640, 86.6390, 22.0768



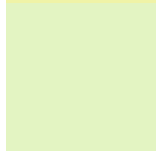
Protanomaly

73.4701, 85.7831, 38.2767



Deuteranomaly

74.9608, 85.4165, 49.0954



Tritanomaly

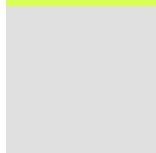
73.7668, 84.9273, 63.5436

Monochromacy



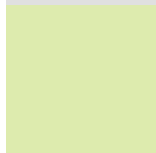
Original Color

65.4640, 86.6390, 22.0768



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1671, 77.8448, 51.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4640, 86.6390, 22.0768 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(215, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 86)  
}
```

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(215, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 86) }
```

Border

The CSS property to change the border of an element to XYZ 65.4640, 86.6390, 22.0768 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(215, 255, 86) }
```


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

```
.border{ border-color:rgb(215, 255, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4640, 86.6390, 22.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 86) }
```

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

```
.background{ background-color: rgb(215,  
255, 86) }
```

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