

Converting Colors

XYZ(65.6015, 83.0089, 20.9523)

Have a look what the booklet for
XYZ(65.6015, 83.0089, 20.9523)
contains.

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Color

**XYZ(65.6015, 83.0089,
20.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F754
RGB	224, 247, 84
RGB Percent	88%, 97%, 33%
CMY	0.1216, 0.0313, 0.6706
CMYK	0.09, 0.00, 0.66, 0.03
HSL	68°, 91%, 65%
HSV	68°, 66%, 97%
XYZ	65.6015, 83.0089, 20.9523
YIQ	221.5410, 38.6150, -55.5690

Conversions

Conversions Part 2

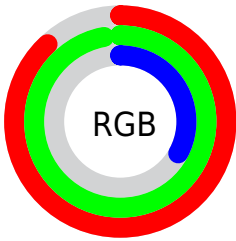
Format	Color
RYB	84, 247, 107
Decimal	14743380
CIELab	93.02, -28.04, 72.50
CIElCh	93, 77.729, 111.143
Yxy	83.0089, 0.3869, 0.4895
Android (android.graphics.Color)	4292933460 (0xFFE0F754)
YUV	221.5410, -67.8077, 2.1565
Hunter-Lab	91.1092, -30.9155, 50.1416

Details

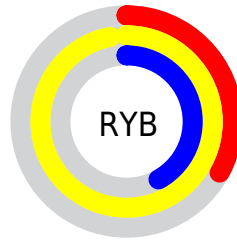
The XYZ color **65.6015, 83.0089, 20.9523** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.0251, 16.1838, 89.7528**, and the grayscale version is **69.5533, 73.1755, 79.6881**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **34.2083, 45.2851, 7.2545** is the 20% darker color. If you saturate the color by 10%, you get **63.7308, 82.1401, 16.6749**, and if you desaturate by 10%, it is **67.8392, 84.0331, 27.0297**.

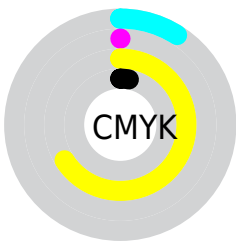
Distribution



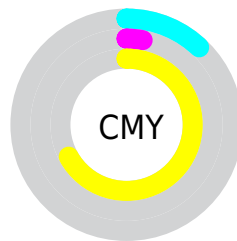
- Red (88%)
- Green (97%)
- Blue (33%)



- Red (33%)
- Yellow (97%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)





- Cyan (12%)
- Magenta (3%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6015, 83.0089, 20.9523 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 65.6015, 83.0089, 20.9523 by changing the saturation by 10% instead.


 65.6015, 83.0089,
20.9523

 65.6015, 83.0089,
20.9523


434.4615,
505.0162, 269.7976

 48.2155, 62.1975,
12.8982


 111.9751,
137.5879, 45.8879


 34.2095, 45.1923,
7.2286


 141.6934,
172.1243, 63.6065

 23.2183, 31.6089,
3.5249


 176.2531,
212.0045, 85.3837

 14.8763, 21.0630,
1.3685

 216.0197,
257.6129, 111.6381

 8.8184, 13.1700,
0.1170

261.3585,
309.3339, 142.7881

 4.6791, 7.5457,
0.0000

312.6348,

 2.0930, 3.8057,

367.5518, 179.2523

0.0000

370.2140,
432.6511, 221.4493

■ 0.6854, 1.5655,
0.0000

■ 0.0000, 0.3341,
0.0000

■ 65.6015, 83.0089,
20.9523

■ 65.6015, 83.0089,
20.9523

■ 63.7308, 82.1401,
16.6749

■ 67.8392, 84.0331,
27.0297

■ 62.1834, 81.4001,
13.9939


■ 70.4705, 85.2143,
35.0718

■ 60.9145, 80.7741,
12.6648


■ 73.5259, 86.5678,
45.2303

■ 60.4552, 80.5435,
12.3601

■ 77.0313, 88.1038,
57.6408

 81.0105, 89.8320,
72.4276

 85.4853, 91.7610,
89.7060

 90.1674, 93.7757,
107.9559

 91.4178, 94.4202,
108.0144

 92.5526, 95.0053,
108.0675

Harmonies

Analogous

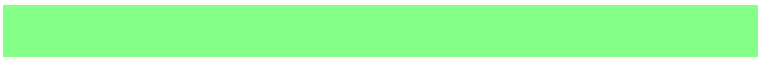
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0808, 83.0089, 18.6949



65.6015, 83.0089, 20.9523



52.1679, 83.0089, 36.7076

Triad

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



65.6015, 83.0089, 20.9523



56.7950, 83.0089, 208.8341



124.2499, 83.0089, 108.7705

Complementary

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



65.6015, 83.0089, 20.9523



26.0251, 16.1838, 89.7528

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.



113.4814, 83.0089, 180.5604



65.6015, 83.0089, 20.9523



73.0212, 83.0089, 252.6097

Square

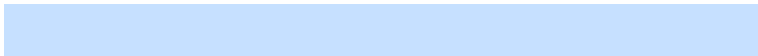
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6015, 83.0089, 20.9523



47.7248, 83.0089, 137.1586



93.8785, 83.0089, 240.4861



121.3376, 83.0089, 55.6715

Rectangle

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



65.6015, 83.0089, 20.9523



47.3439, 83.0089, 58.7691



93.8785, 83.0089, 240.4861



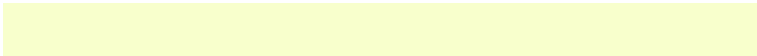
122.0505, 83.0089, 131.6842

Sweetspot

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



65.6034, 83.0127, 20.9540



85.3002, 95.7999, 71.1222



45.0876, 30.6698, 11.9321



18.0014, 20.3937, 14.2724



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.



65.6034, 83.0127, 20.9540



67.9573, 88.0426, 16.8471



46.3250, 73.0743, 20.0518



17.6713, 19.1881, 17.5699



32.0630, 42.6419, 6.5408



2.8798, 3.7797, 0.5778

Inverse Universe

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



26.0251, 16.1838, 89.7528



22.8266, 11.6097, 95.6456



40.5123, 23.6523, 90.4308



15.7987, 16.0389, 20.8057



9.3119, 3.7748, 46.7758



0.8840, 0.3656, 4.1142

Previews

White Background



This preview shows how the XYZ color 65.6015, 83.0089, 20.9523 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 65.6015, 83.0089, 20.9523 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 65.6015, 83.0089, 20.9523

Background



This preview shows how black text looks on a background with the XYZ color 65.6015, 83.0089, 20.9523.

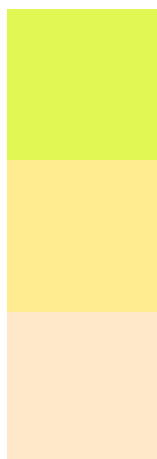


This preview shows how white text looks on a background with the XYZ color 65.6015, 83.0089,

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

65.6015, 83.0089, 20.9523

Protanopia

75.9824, 82.6903, 38.3417

Deuteranopia

80.3585, 82.6289, 66.9720



Tritanopia

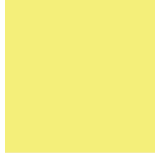
81.9504, 82.6922, 101.2645

Trichromacy



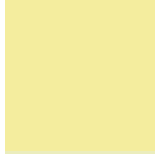
Original Color

65.6015, 83.0089, 20.9523



Protanomaly

71.6876, 82.3712, 30.5333



Deuteranomaly

73.7640, 82.2701, 44.3397



Tritanomaly

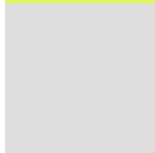
73.7304, 81.9047, 60.0673

Monochromacy



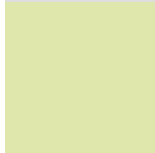
Original Color

65.6015, 83.0089, 20.9523



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.4537, 75.8184, 50.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6015, 83.0089, 20.9523 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(224, 247, 84)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 84)  
}
```

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(224, 247, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 84) }
```

Border

The CSS property to change the border of an element to XYZ 65.6015, 83.0089, 20.9523 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(224, 247, 84) }
```


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

```
.border{ border-color:rgb(224, 247, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 84);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6015, 83.0089, 20.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 84) }
```

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

```
.background{ background-color: rgb(224,  
247, 84) }
```

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](#).

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