

Converting Colors

XYZ(65.2990, 82.8496, 20.9322)

Have a look what the booklet for
XYZ(65.2990, 82.8496, 20.9322)
contains.

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Color

**XYZ(65.2924, 82.8496,
20.9378)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF754
RGB	223, 247, 84
RGB Percent	87%, 97%, 33%
CMY	0.1255, 0.0313, 0.6706
CMYK	0.10, 0.00, 0.66, 0.03
HSL	69°, 91%, 65%
HSV	69°, 66%, 97%
XYZ	65.2924, 82.8496, 20.9378
YIQ	221.2420, 38.0190, -55.7810

Conversions

Conversions Part 2

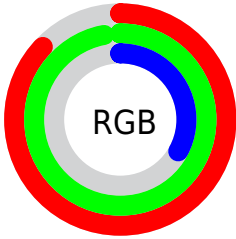
Format	Color
RYB	84, 247, 108
Decimal	14677844
CIELab	92.95, -28.43, 72.40
CIELCh	93, 77.785, 111.438
Yxy	82.8496, 0.3862, 0.4900
Android (android.graphics.Color)	4292867924 (0xFFDFF754)
YUV	221.2420, -67.6603, 1.5418
Hunter-Lab	91.0218, -31.2451, 50.0767

Details

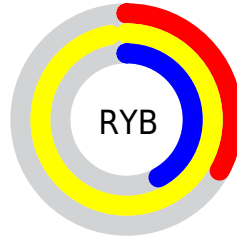
The XYZ color **65.2924, 82.8496, 20.9378** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.1460, 16.2462, 89.7585**, and the grayscale version is **69.3414, 72.9526, 79.4453**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **34.0010, 45.1783, 7.2448** is the 20% darker color. If you saturate the color by 10%, you get **63.3823, 81.9605, 16.6586**, and if you desaturate by 10%, it is **67.5714, 83.8951, 27.0171**.

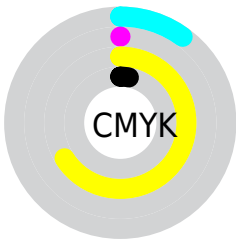
Distribution



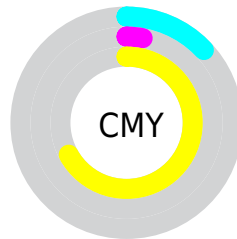
- Red (87%)
- Green (97%)
- Blue (33%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2924, 82.8496, 20.9378 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 65.2924, 82.8496, 20.9378 by changing the saturation by 10% instead.


 65.2924, 82.8496,
20.9378


 65.2924, 82.8496,
20.9378


433.3706,
504.4851, 269.7179

 47.9638, 62.0661,
12.8877


 111.5335,
137.3648, 45.8634


 34.0093, 45.0861,
7.2215


 141.1767,
171.8653, 63.5761

 23.0637, 31.5252,
3.5205


 175.6555,
211.7068, 85.3467

 14.7615, 20.9991,
1.3661

 215.3352,
257.2739, 111.5938

 8.7374, 13.1234,
0.1151

260.5813,
308.9509, 142.7360

 4.6260, 7.5136,
0.0000

311.7589,

 2.0620, 3.7853,

367.1222, 179.1917

0.0000

369.2336,
432.1721, 221.3795

0.6685, 1.5542,
0.0000

0.0000, 0.3264,
0.0000

65.2924, 82.8496,
20.9378

65.2924, 82.8496,
20.9378

63.3823, 81.9605,
16.6586

67.5714, 83.8951,
27.0171

61.7975, 81.2012,
13.9758

70.2460, 85.0986,
35.0612

60.4930, 80.5568,
12.6451

73.3466, 86.4754,
45.2218

60.0199, 80.3192,
12.3398

76.8992, 88.0357,
57.6345

80.9276, 89.7893,
72.4237

85.4537, 91.7448,
89.7044

90.1891, 93.7868,
107.9569

91.4948, 94.4600,
108.0180

92.5527, 95.0053,
108.0676

Harmonies

Analogous

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



84.7164, 82.8496, 18.5759



65.2924, 82.8496, 20.9378



51.9406, 82.8496, 36.8327

Triad

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



65.2924, 82.8496, 20.9378



56.7859, 82.8496, 209.2740



124.1240, 82.8496, 107.9425

Complementary

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



65.2924, 82.8496, 20.9378



26.1460, 16.2462, 89.7585

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.



113.4774, 82.8496, 179.6499



65.2924, 82.8496, 20.9378



73.0631, 82.8496, 252.5974

Square

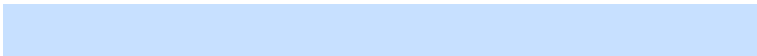
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2924, 82.8496, 20.9378



47.6503, 82.8496, 137.6812



93.9314, 82.8496, 239.8939



121.0731, 82.8496, 55.1358

Rectangle

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



65.2924, 82.8496, 20.9378



47.1712, 82.8496, 59.0315



93.9314, 82.8496, 239.8939



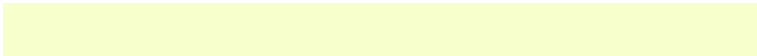
121.9703, 82.8496, 130.7915

Sweetspot

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



65.2943, 82.8534, 20.9395



85.1894, 95.7428, 71.1170



45.0876, 30.6698, 11.9321



17.9745, 20.3799, 14.2712



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.



65.2943, 82.8534, 20.9395



67.5698, 87.8428, 16.8289



46.3250, 73.0743, 20.0518



17.6608, 19.1827, 17.5694



31.8358, 42.5248, 6.5302



2.8620, 3.7705, 0.5769

Inverse Universe

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



26.1460, 16.2462, 89.7585



22.9350, 11.6656, 95.6506



40.5123, 23.6523, 90.4308



15.8083, 16.0438, 20.8061



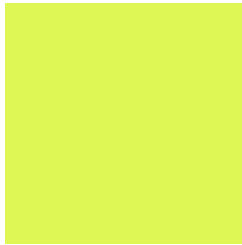
9.3420, 3.7903, 46.7772



0.8885, 0.3679, 4.1144

Previews

White Background



This preview shows how the XYZ color 65.2924, 82.8496, 20.9378 looks on a white background.

Color Contrast Check

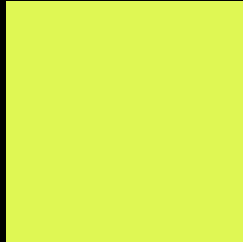
Large Text (above 18pt) WCAG AA × Fail

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 65.2924, 82.8496, 20.9378 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 65.2924, 82.8496, 20.9378

Background



This preview shows how black text looks on a background with the XYZ color 65.2924, 82.8496, 20.9378.

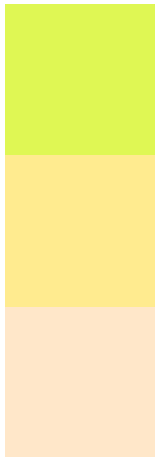


This preview shows how white text looks on a background with the XYZ color 65.2924, 82.8496,

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

65.2924, 82.8496, 20.9378

Protanopia

75.9063, 82.6598, 37.9409

Deuteranopia

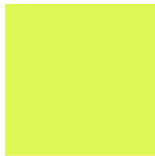
80.3585, 82.6289, 66.9720



Tritanopia

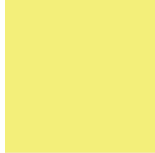
81.6100, 82.5166, 101.2485

Trichromacy



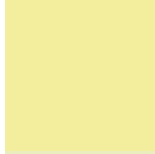
Original Color

65.2924, 82.8496, 20.9378



Protanomaly

71.3415, 82.1928, 30.5171



Deuteranomaly

73.4179, 82.0917, 44.3235



Tritanomaly

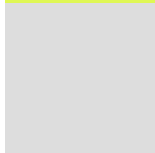
73.4012, 81.7349, 60.0519

Monochromacy



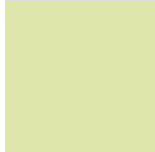
Original Color

65.2924, 82.8496, 20.9378



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.7717, 75.0635, 49.5502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2924, 82.8496, 20.9378 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(223, 247, 84)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 247, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 84) }
```

Border

The CSS property to change the border of an element to XYZ 65.2924, 82.8496, 20.9378 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(223, 247, 84) }
```


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

```
.border{ border-color:rgb(223, 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(223, 247, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 84);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2924, 82.8496, 20.9378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 84) }
```

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

```
.background{ background-color: rgb(223,  
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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