

Converting Colors

XYZ(65.8294, 73.4562, 20.6924)

Have a look what the booklet for
XYZ(65.8294, 73.4562, 20.6924)
contains.

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Color

**XYZ(65.8522, 73.2997,
20.5750)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E05B
RGB	244, 224, 91
RGB Percent	96%, 88%, 36%
CMY	0.0431, 0.1215, 0.6431
CMYK	0.00, 0.08, 0.63, 0.04
HSL	52°, 87%, 66%
HSV	52°, 63%, 96%
XYZ	65.8522, 73.2997, 20.5750
YIQ	214.8180, 54.6130, -37.1230

Conversions

Conversions Part 2

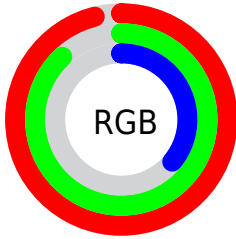
Format	Color
RYB	114, 244, 91
Decimal	16048219
CIELab	88.59, -8.39, 65.56
CIELCh	89, 66.094, 97.291
Yxy	73.2997, 0.4123, 0.4589
Android (android.graphics.Color)	4294238299 (0xFFFF4E05B)
YUV	214.8180, -61.0423, 25.5926
Hunter-Lab	85.6152, -12.5308, 45.6821

Details

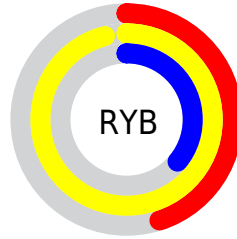
The XYZ color **65.8522, 73.2997, 20.5750** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **26.3279, 20.1242, 88.0842**, and the grayscale version is **64.8440, 68.2209, 74.2926**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **34.4563, 38.7945, 7.0385** is the 20% darker color. If you saturate the color by 10%, you get **64.1177, 71.2503, 15.6214**, and if you desaturate by 10%, it is **67.9483, 75.5250, 27.3383**.

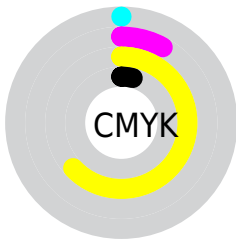
Distribution



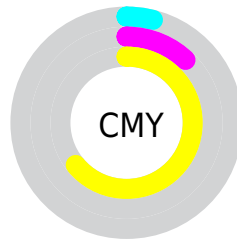
- Red (96%)
- Green (88%)
- Blue (36%)



- Red (45%)
- Yellow (96%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (63%)
- Black (4%)



- Cyan (4%)
- Magenta (12%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8522, 73.2997, 20.5750 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 65.8522, 73.2997, 20.5750 by changing the saturation by 10% instead.

65.8522, 73.2997,
20.5750

65.8522, 73.2997,
20.5750

435.3451,
472.0529, 267.7176

48.4197, 54.2211,
12.6255

112.3331,
123.9026, 45.2507

34.3720, 38.7784,
7.0435

142.1122,
156.1956, 62.8140

23.3438, 26.5874,
3.4105

176.7375,
193.6622, 84.4189

14.9696, 17.2636,
1.3078

216.5744,
236.6868, 110.4841

8.8843, 10.4226,
0.0682

261.9883,
285.6538, 141.4280

4.7223, 5.6800,
0.0000

313.3444,

2.1183, 2.6515,

340.9475, 177.6692

0.0000

371.0082,
402.9524, 219.6262

■ 0.6991, 0.9526,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8522, 73.2997,
20.5750

■ 65.8522, 73.2997,
20.5750

■ 64.1177, 71.2503,
15.6214

■ 67.9483, 75.5250,
27.3383

■ 62.7050, 69.3524,
12.2911


■ 70.4309, 77.9280,
36.0647


■ 61.5739, 67.5926,
10.3653


■ 73.3284, 80.5229,
46.8962


■ 60.8801, 66.3771,
9.6033


■ 76.6653, 83.3197,
59.9605

 80.4638, 86.3274,
75.3752

 84.7449, 89.5546,
93.2495

 88.4131, 92.5631,
107.8143

 89.3930, 94.5229,
108.1410

 90.3896, 96.5162,
108.4732

Harmonies

Analogous

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



82.1807, 73.2997, 23.1432



65.8522, 73.2997, 20.5750



52.7043, 73.2997, 28.3735

Triad

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



65.8522, 73.2997, 20.5750



48.0240, 73.2997, 145.6608



101.9312, 73.2997, 118.7091

Complementary

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



65.8522, 73.2997, 20.5750



26.3279, 20.1242, 88.0842

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.



89.9322, 73.2997, 171.9643



65.8522, 73.2997, 20.5750



58.4967, 73.2997, 191.2211

Square

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



65.8522, 73.2997, 20.5750



43.4805, 73.2997, 91.4745



73.6308, 73.2997, 202.3404



104.6980, 73.2997, 69.1835

Rectangle

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



65.8522, 73.2997, 20.5750



46.9358, 73.2997, 41.1617



73.6308, 73.2997, 202.3404



98.7638, 73.2997, 137.2444

Sweetspot

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



65.8539, 73.3032, 20.5765



86.2209, 93.2897, 72.2058



43.9410, 27.8725, 18.2196



18.2060, 19.7679, 14.4547



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.



65.8539, 73.3032, 20.5765



70.4573, 78.2254, 16.1988



54.9537, 76.1352, 21.6976



17.7191, 18.9224, 17.5161



33.1756, 36.2367, 5.2459



2.9662, 3.2856, 0.4778

Inverse Universe

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



26.3279, 20.1242, 88.0842



23.6991, 15.4035, 96.3318



32.1215, 20.2270, 87.7987



15.7557, 16.2757, 20.8537



9.2123, 4.2183, 46.8667



0.8636, 0.4785, 4.1371

Previews

White Background



This preview shows how the XYZ color 65.8522, 73.2997, 20.5750 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 65.8522, 73.2997, 20.5750 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 65.8522, 73.2997, 20.5750

Background



This preview shows how black text looks on a background with the XYZ color 65.8522, 73.2997, 20.5750.



This preview shows how white text looks on a background with the XYZ color 65.8522, 73.2997,

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

65.8522, 73.2997, 20.5750

Protanopia

66.9874, 73.4871, 20.5514

Deuteranopia

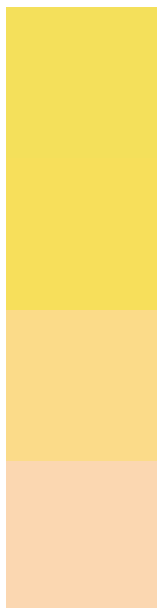
72.4967, 73.0521, 45.4014



Tritanopia

78.0141, 72.8442, 81.9001

Trichromacy



Original Color

65.8522, 73.2997, 20.5750

Protanomaly

66.6338, 73.3048, 20.5348

Deuteranomaly

69.6305, 72.9784, 34.0832

Tritanomaly

72.0199, 72.2844, 51.7514

Monochromacy



Original Color

65.8522, 73.2997, 20.5750

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.6911, 69.2138, 48.0329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8522, 73.2997, 20.5750 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(244, 224, 91)` looks like.

```
.text, #text, p{  
    color:rgb(244, 224, 91)  
}
```

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(244, 224, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 224, 91) }
```

Border

The CSS property to change the border of an element to XYZ 65.8522, 73.2997, 20.5750 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(244, 224, 91) }
```


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

```
.border{ border-color:rgb(244, 224, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 224, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 224, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 224, 91);  
box-shadow:4px 4px 4px 4px rgb(244, 224,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8522, 73.2997, 20.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 224, 91) }
```

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

```
.background{ background-color: rgb(244,  
224, 91) }
```

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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