

Converting Colors

XYZ(65.6432, 70.0596, 20.6528)

Have a look what the booklet for
XYZ(65.6432, 70.0596, 20.6528)
contains.

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Color

**XYZ(65.6432, 70.0596,
20.6528)**

Conversions

Conversions Part 1

Format	Color
Hex	F9D85E
RGB	249, 216, 94
RGB Percent	98%, 85%, 37%
CMY	0.0235, 0.1529, 0.6314
CMYK	0.00, 0.13, 0.62, 0.02
HSL	47°, 93%, 67%
HSV	47°, 62%, 98%
XYZ	65.6432, 70.0596, 20.6528
YIQ	211.9590, 58.8300, -30.9460

Conversions

Conversions Part 2

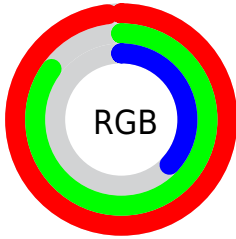
Format	Color
R_{YB}	136, 249, 94
Decimal	16373854
CIE _{Lab}	87.03, -2.11, 62.72
CIE _{LCh}	87, 62.754, 91.930
Yxy	70.0596, 0.4198, 0.4481
Android (android.graphics.Color)	4294563934 (0xFFFF9D85E)
YUV	211.9590, -58.1538, 32.4850
Hunter-Lab	83.7016, -6.4887, 43.9617

Details

The XYZ color **65.6432, 70.0596, 20.6528** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.3042, 24.3973, 92.7868**, and the grayscale version is **62.9007, 66.1764, 72.0661**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **34.2564, 36.7994, 7.1312** is the 20% darker color. If you saturate the color by 10%, you get **63.3655, 67.0133, 15.2423**, and if you desaturate by 10%, it is **68.3283, 73.3443, 27.9780**.

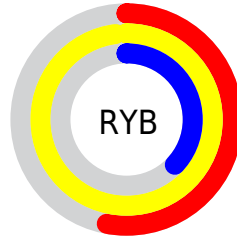
Distribution



Red (98%)

Green (85%)

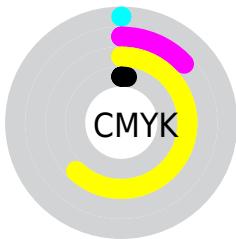
Blue (37%)



Red (53%)

Yellow (98%)

Blue (37%)

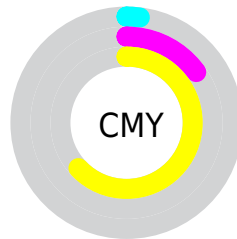


Cyan (0%)

Magenta (13%)

Yellow (62%)

Black (2%)



Cyan (2%)


Magenta (15%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6432, 70.0596, 20.6528 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 65.6432, 70.0596, 20.6528 by changing the saturation by 10% instead.


 65.6432, 70.0596,
20.6528


 65.6432, 70.0596,
20.6528


434.6085,
460.7592, 268.1477

 48.2495, 51.5751,
12.6817


 112.0346,
119.2937, 45.3822


 34.2365, 36.6665,
7.0816


 141.7631,
150.8122, 62.9776

 23.2391, 24.9494,
3.4340


 176.3337,
187.4441, 84.6182

 14.8918, 16.0394,
1.3203

 216.1120,
229.5739, 110.7225

 8.8293, 9.5520,
0.0783

261.4633,
277.5859, 141.7091

 4.6862, 5.1030,
0.0000

312.7529,

 2.0972, 2.3078,

331.8645, 177.9964

0.0000

370.3462,
392.7942, 220.0031

■ 0.6877, 0.7778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6432, 70.0596,
20.6528

■ 65.6432, 70.0596,
20.6528

■ 63.3655, 67.0133,
15.2423

■ 68.3283, 73.3443,
27.9780

■ 61.4538, 64.1801,
11.5521

■ 71.4475, 76.8708,
37.3788

■ 59.8657, 61.5452,
9.3539

■ 75.0309, 80.6542,
49.0037

■ 58.8059, 59.6179,
8.4080

■ 79.1043, 84.7056,
62.9864

83.6912, 89.0351,
79.4502

88.8139, 93.6521,
98.5095

92.2763, 97.6788,
108.5982

92.8768, 98.8797,
108.7983

Harmonies

Analogous

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



80.7758, 70.0596, 24.8720



65.6432, 70.0596, 20.6528



52.7473, 70.0596, 26.1845

Triad

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



65.6432, 70.0596, 20.6528



45.3896, 70.0596, 127.5294



94.7338, 70.0596, 121.0001

Complementary

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



65.6432, 70.0596, 20.6528



29.3042, 24.3973, 92.7868

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.



82.6636, 70.0596, 167.5267



65.6432, 70.0596, 20.6528



54.1698, 70.0596, 172.1700

Square

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



65.6432, 70.0596, 20.6528



42.1729, 70.0596, 79.0387



67.5449, 70.0596, 188.9724



98.9756, 70.0596, 73.5921

Rectangle

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



65.6432, 70.0596, 20.6528



46.7461, 70.0596, 36.5018



67.5449, 70.0596, 188.9724



91.3779, 70.0596, 137.7839

Sweetspot

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



65.6448, 70.0629, 20.6542



85.0052, 90.8584, 71.8006



46.9389, 29.6934, 23.5370



17.9087, 19.1731, 14.3555



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.



65.6448, 70.0629, 20.6542



66.2783, 69.8673, 14.8058



61.0961, 81.5504, 23.1113



18.3954, 19.5267, 18.2619



31.5856, 32.1278, 4.5365



3.0008, 3.1265, 0.4453

Inverse Universe

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



29.3042, 24.3973, 92.7868



25.1449, 18.2952, 96.8138



31.5697, 20.2420, 91.8653



16.5824, 17.2417, 21.8393



9.9172, 5.1900, 48.4526



0.9920, 0.6276, 4.5120

Previews

White Background



This preview shows how the XYZ color 65.6432, 70.0596, 20.6528 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 65.6432, 70.0596, 20.6528 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 65.6432, 70.0596, 20.6528

Background



This preview shows how black text looks on a background with the XYZ color 65.6432, 70.0596, 20.6528.



This preview shows how white text looks on a background with the XYZ color 65.6432, 70.0596,

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

65.6432, 70.0596, 20.6528

Protanopia

63.7549, 69.8463, 20.9479

Deuteranopia

69.9591, 70.0185, 38.2614



Tritanopia

75.8575, 70.0371, 76.5382

Trichromacy



Original Color

65.6432, 70.0596, 20.6528

Protanomaly

64.5346, 69.8644, 20.9103

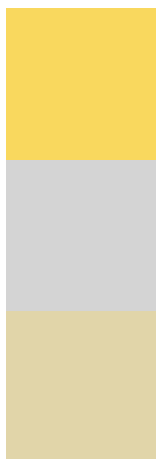
Deuteranomaly

68.2647, 70.0561, 30.6931

Tritanomaly

70.9485, 69.5396, 49.7275

Monochromacy



Original Color

65.6432, 70.0596, 20.6528

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.0070, 66.4606, 47.0962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6432, 70.0596, 20.6528 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(249, 216, 94)` looks like.

```
.text, #text, p{  
    color:rgb(249, 216, 94)  
}
```

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(249, 216, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 216, 94) }
```

Border

The CSS property to change the border of an element to XYZ 65.6432, 70.0596, 20.6528 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(249, 216, 94) }
```


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

```
.border{ border-color:rgb(249, 216, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 216, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 216, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 216, 94);  
box-shadow:4px 4px 4px 4px rgb(249, 216,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6432, 70.0596, 20.6528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 216, 94) }
```

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

```
.background{ background-color: rgb(249,  
216, 94) }
```

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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