

Converting Colors

XYZ(63.6585, 69.0090, 22.9039)

Have a look what the booklet for
XYZ(63.6585, 69.0090, 22.9039)
contains.

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Color

**XYZ(63.6220, 68.9683,
22.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	F2D867
RGB	242, 216, 103
RGB Percent	95%, 85%, 40%
CMY	0.0510, 0.1529, 0.5961
CMYK	0.00, 0.11, 0.57, 0.05
HSL	49°, 84%, 68%
HSV	49°, 57%, 95%
XYZ	63.6220, 68.9683, 22.7909
YIQ	210.8920, 51.7690, -29.6310

Conversions

Conversions Part 2

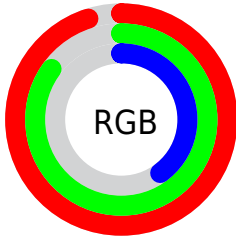
Format	Color
RYB	135, 242, 103
Decimal	15915111
CIELab	86.49, -4.38, 57.95
CIElCh	86, 58.120, 94.321
Yxy	68.9683, 0.4095, 0.4439
Android (android.graphics.Color)	4294105191 (0xFFFF2D867)
YUV	210.8920, -53.1908, 27.2817
Hunter-Lab	83.0472, -8.5846, 41.8619

Details

The XYZ color **63.6220, 68.9683, 22.7909** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.4705, 24.9940, 87.2750**, and the grayscale version is **62.1634, 65.4007, 71.2214**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **32.8277, 35.7788, 8.0815** is the 20% darker color. If you saturate the color by 10%, you get **61.4358, 66.2667, 16.9124**, and if you desaturate by 10%, it is **66.1948, 71.8809, 30.5337**.

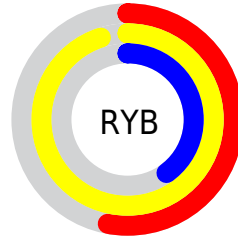
Distribution



Red (95%)

Green (85%)

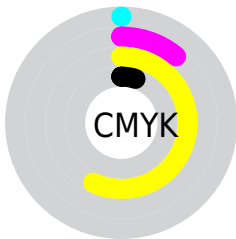
Blue (40%)



Red (53%)

Yellow (95%)

Blue (40%)

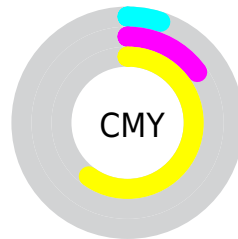


Cyan (0%)

Magenta (11%)

Yellow (57%)

Black (5%)



Cyan (5%)

Magenta (15%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6220, 68.9683, 22.7909 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 63.6220, 68.9683, 22.7909 by changing the saturation by 10% instead.

63.6220, 68.9683,
22.7909

63.6220, 68.9683,
22.7909

427.4472,
456.9192, 279.7362

46.6051, 50.6859,
14.2353

109.1432,
117.7363, 48.9686

32.9302, 35.9587,
8.1439

138.3781,
148.9907, 67.4278

22.2320, 24.4023,
4.0981

172.4165,
185.3378, 90.0253

14.1450, 15.6323,
1.6793

211.6237,
227.1622, 117.1797

8.3040, 9.2643,
0.3465

256.3650,
274.8481, 149.3094

4.3435, 4.9140,
0.0000

307.0058,

1.8982, 2.1969,

328.7800, 186.8330

0.0000

363.9114,
389.3422, 230.1691

■ 0.5758, 0.7183,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6220, 68.9683,
22.7909

■ 63.6220, 68.9683,
22.7909

■ 61.4358, 66.2667,
16.9124

■ 66.1948, 71.8809,
30.5337

■ 59.5999, 63.7533,
12.7291


■ 69.1772, 75.0062,
40.2816


■ 58.0789, 61.4161,
10.0489

■ 72.5959, 78.3578,
52.1670


■ 56.8240, 59.2353,
8.6167


■ 76.4738, 81.9455,
66.3093


 56.5260, 58.6937,
8.3498

 80.8321, 85.7780,
82.8195

 85.6909, 89.8637,
101.8010

 88.1384, 93.0384,
107.9206

 89.5443, 95.8502,
108.3892

 90.4278, 97.6171,
108.6837

Harmonies

Analogous

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



77.4150, 68.9683, 26.1538



63.6220, 68.9683, 22.7909



52.0195, 68.9683, 29.0161

Triad

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



63.6220, 68.9683, 22.7909



46.4217, 68.9683, 125.1012



91.7443, 68.9683, 111.9972

Complementary

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



63.6220, 68.9683, 22.7909



29.4705, 24.9940, 87.2750

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.



81.2494, 68.9683, 154.4212



63.6220, 68.9683, 22.7909



54.9679, 68.9683, 163.6272

Square

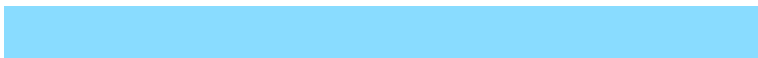
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6220, 68.9683, 22.7909



42.9894, 68.9683, 80.8177



67.5213, 68.9683, 175.8659



94.8846, 68.9683, 69.6486

Rectangle

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



63.6220, 68.9683, 22.7909



46.7016, 68.9683, 39.6379



67.5213, 68.9683, 175.8659



88.8952, 68.9683, 127.1327

Sweetspot

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



63.6236, 68.9716, 22.7923



86.3077, 92.4521, 75.3523



45.5517, 30.2116, 24.8331



18.2750, 19.6092, 15.3921



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.



63.6236, 68.9716, 22.7923



68.8000, 74.1191, 18.0870



58.1001, 76.8040, 24.5952



16.8570, 17.9271, 16.7215



30.4611, 31.7202, 4.5171



2.5983, 2.7672, 0.3972

Inverse Universe

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



29.4705, 24.9940, 87.2750



27.0676, 20.4625, 97.1308



32.5021, 22.1046, 86.5575



15.1364, 15.7069, 19.9556



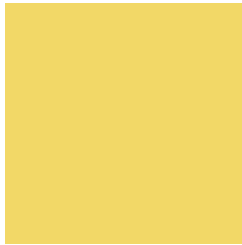
9.1915, 4.6072, 45.5327



0.8302, 0.5143, 3.8097

Previews

White Background



This preview shows how the XYZ color 63.6220, 68.9683, 22.7909 looks on a white background.

Color Contrast Check

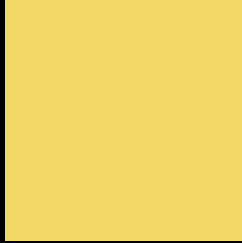
Large Text (above 18pt) WCAG AA × Fail

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 63.6220, 68.9683, 22.7909 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 63.6220, 68.9683, 22.7909

Background



This preview shows how black text looks on a background with the XYZ color 63.6220, 68.9683, 22.7909.



This preview shows how white text looks on a background with the XYZ color 63.6220, 68.9683,

22.7909.

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

63.6220, 68.9683, 22.7909

Protanopia

63.1962, 69.1302, 22.8446

Deuteranopia

69.0745, 68.8745, 36.0391



Tritanopia

74.6501, 68.7090, 76.3455

Trichromacy



Original Color

63.6220, 68.9683, 22.7909

Protanomaly

63.5367, 69.3058, 22.8606

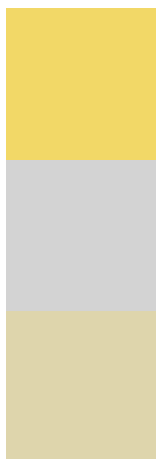
Deuteranomaly

66.9303, 68.9959, 30.5588

Tritanomaly

69.5586, 68.4258, 51.1363

Monochromacy



Original Color

63.6220, 68.9683, 22.7909

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.3648, 66.0967, 48.5534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6220, 68.9683, 22.7909 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(242, 216, 103)` looks like.

```
.text, #text, p{  
    color:rgb(242, 216, 103)  
}
```

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(242, 216, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 216, 103) }
```

Border

The CSS property to change the border of an element to XYZ 63.6220, 68.9683, 22.7909 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(242, 216, 103) }
```


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

```
.border{ border-color:rgb(242, 216, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 216, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 216, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 216, 103);  
box-shadow:4px 4px 4px 4px rgb(242, 216,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6220, 68.9683, 22.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 216, 103) }
```

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

```
.background{ background-color: rgb(242,  
216, 103) }
```

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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