

Converting Colors

XYZ(64.0109, 69.3336, 20.8355)

Have a look what the booklet for
XYZ(64.0109, 69.3336, 20.8355)
contains.

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Color

**XYZ(63.9297, 69.1711,
20.8084)**

Conversions

Conversions Part 1

Format	Color
Hex	F4D85F
RGB	244, 216, 95
RGB Percent	96%, 85%, 37%
CMY	0.0431, 0.1529, 0.6274
CMYK	0.00, 0.11, 0.61, 0.04
HSL	49°, 87%, 66%
HSV	49°, 61%, 96%
XYZ	63.9297, 69.1711, 20.8084
YIQ	210.5780, 55.5290, -31.6950

Conversions

Conversions Part 2

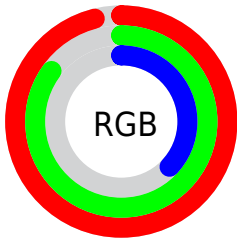
Format	Color
RYB	129, 244, 95
Decimal	16046175
CIELab	86.59, -4.11, 61.68
CIELCh	87, 61.813, 93.811
Yxy	69.1711, 0.4154, 0.4494
Android (android.graphics.Color)	4294236255 (0xFFFF4D85F)
YUV	210.5780, -56.9800, 29.3111
Hunter-Lab	83.1692, -8.3383, 43.3844

Details

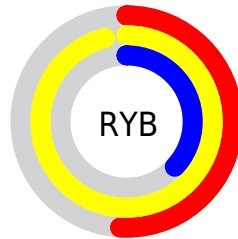
The XYZ color **63.9297, 69.1711, 20.8084** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.1313, 23.1298, 88.5694**, and the grayscale version is **61.9783, 65.2060, 71.0093**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **33.2941, 36.3014, 7.1715** is the 20% darker color. If you saturate the color by 10%, you get **61.8320, 66.4815, 15.4681**, and if you desaturate by 10%, it is **66.4106, 72.0717, 27.9911**.

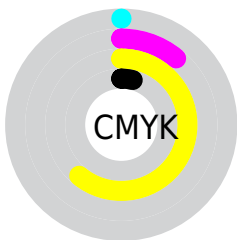
Distribution



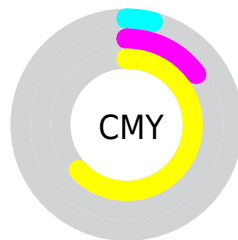
- Red (96%)
- Green (85%)
- Blue (37%)



- Red (51%)
- Yellow (96%)
- Blue (37%)



- Cyan (0%)
- Magenta (11%)
- Yellow (61%)
- Black (4%)



- Cyan (4%)
- Magenta (15%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9297, 69.1711, 20.8084 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 63.9297, 69.1711, 20.8084 by changing the saturation by 10% instead.

63.9297, 69.1711,
20.8084

63.9297, 69.1711,
20.8084

428.5420,
457.6342, 269.0060

46.8552, 50.8511,
12.7941

109.5840,
118.0259, 45.6451

33.1287, 36.0901,
7.1579

138.8945,
149.3295, 63.3046

22.3847, 24.5038,
3.4811

173.0144,
185.7297, 85.0163

14.2581, 15.7077,
1.3452

212.3090,
227.6110, 111.1986

8.3833, 9.3176,
0.0984

257.1437,
275.3577, 142.2703

4.3950, 4.9489,
0.0000

307.8839,

1.9279, 2.2173,

329.3542, 178.6497

0.0000

364.8948,
389.9849, 220.7554

■ 0.5930, 0.7294,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9297, 69.1711,
20.8084

■ 63.9297, 69.1711,
20.8084

■ 61.8320, 66.4815,
15.4681

■ 66.4106, 72.0717,
27.9911

■ 60.0788, 63.9791,
11.7886


■ 69.2996, 75.1857,
37.1667


■ 58.6311, 61.6505,
9.5587

■ 72.6247, 78.5274,
48.4748


■ 57.5382, 59.6932,
8.4894


■ 76.4102, 82.1069,
62.0414

 80.6782, 85.9335,
77.9826

 85.4495, 90.0159,
96.4065

 88.9550, 93.6468,
107.9950

 90.3824, 96.5018,
108.4708

 91.1181, 97.9730,
108.7160

Harmonies

Analogous

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



78.6793, 69.1711, 24.3576



63.9297, 69.1711, 20.8084



51.5657, 69.1711, 26.9146

Triad

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



63.9297, 69.1711, 20.8084



45.3946, 69.1711, 128.3514



93.7186, 69.1711, 115.8153

Complementary

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



63.9297, 69.1711, 20.8084



28.1313, 23.1298, 88.5694

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.



82.3112, 69.1711, 161.8167



63.9297, 69.1711, 20.8084



54.3122, 69.1711, 170.7125

Square

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



63.9297, 69.1711, 20.8084



41.8938, 69.1711, 80.6860



67.5945, 69.1711, 184.7675



97.2704, 69.1711, 70.1889

Rectangle

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



63.9297, 69.1711, 20.8084



45.9094, 69.1711, 37.6513



67.5945, 69.1711, 184.7675



90.6015, 69.1711, 132.2207

Sweetspot

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



63.9313, 69.1744, 20.8098



85.8314, 92.0092, 73.6223



45.0897, 28.8937, 22.5366



18.0886, 19.4356, 14.7156



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.



63.9313, 69.1744, 20.8098



67.9097, 72.8882, 16.0954



58.0493, 77.7107, 22.7675



17.6345, 18.7532, 17.4879



31.3812, 32.6480, 4.6477



2.8249, 3.0030, 0.4307

Inverse Universe

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



28.1313, 23.1298, 88.5694



25.4262, 18.3448, 96.8085



31.1867, 20.2663, 87.8556



15.8330, 16.4304, 20.8795



9.4791, 4.7521, 46.9557



0.9003, 0.5519, 4.1493

Previews

White Background



This preview shows how the XYZ color 63.9297, 69.1711, 20.8084 looks on a white background.

Color Contrast Check

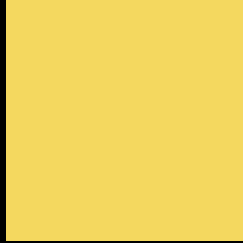
Large Text (above 18pt) WCAG AA × Fail

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 63.9297, 69.1711, 20.8084 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 63.9297, 69.1711, 20.8084

Background



This preview shows how black text looks on a background with the XYZ color 63.9297, 69.1711, 20.8084.

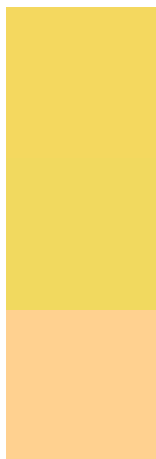


This preview shows how white text looks on a background with the XYZ color 63.9297, 69.1711,

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

63.9297, 69.1711, 20.8084

Protanopia

63.1540, 69.1527, 20.8457

Deuteranopia

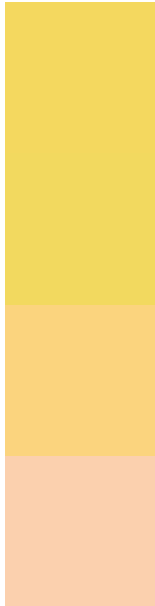
69.0745, 68.8745, 36.0391



Tritanopia

75.3821, 69.0863, 76.3798

Trichromacy



Original Color

63.9297, 69.1711, 20.8084

Protanomaly

63.4964, 69.3292, 20.8617

Deuteranomaly

67.0930, 69.1026, 29.5406

Tritanomaly

69.9795, 68.6770, 49.6121

Monochromacy



Original Color

63.9297, 69.1711, 20.8084

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.3871, 66.1410, 47.0672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9297, 69.1711, 20.8084 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, 216, 95)` looks like.

```
.text, #text, p{  
    color:rgb(244, 216, 95)  
}
```

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, 216, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 216, 95) }
```

Border

The CSS property to change the border of an element to XYZ 63.9297, 69.1711, 20.8084 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, 216, 95) }
```


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

```
.border{ border-color:rgb(244, 216, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 216, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 216, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 216, 95);  
box-shadow:4px 4px 4px 4px rgb(244, 216,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9297, 69.1711, 20.8084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 216, 95) }
```

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

```
.background{ background-color: rgb(244,  
216, 95) }
```

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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