

Converting Colors

XYZ(67.2126, 72.8096, 20.6364)

Have a look what the booklet for
XYZ(67.2126, 72.8096, 20.6364)
contains.

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Color

**XYZ(67.2126, 72.8096,
20.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	FADD5C
RGB	250, 221, 92
RGB Percent	98%, 87%, 36%
CMY	0.0196, 0.1333, 0.6392
CMYK	0.00, 0.12, 0.63, 0.02
HSL	49°, 94%, 67%
HSV	49°, 63%, 98%
XYZ	67.2126, 72.8096, 20.6364
YIQ	214.9650, 58.6930, -33.9710

Conversions

Conversions Part 2

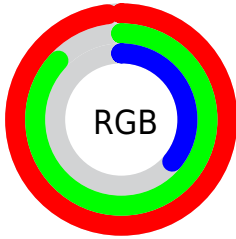
Format	Color
RYB	128, 250, 92
Decimal	16440668
CIELab	88.36, -4.36, 65.04
CIELCh	88, 65.189, 93.831
Yxy	72.8096, 0.4184, 0.4532
Android (android.graphics.Color)	4294630748 (0xFFFA5C)
YUV	214.9650, -60.6217, 30.7257
Hunter-Lab	85.3285, -8.7219, 45.3909

Details

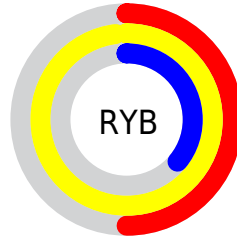
The XYZ color **67.2126, 72.8096, 20.6364** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.5063, 22.8516, 93.3504**, and the grayscale version is **64.9391, 68.3210, 74.4015**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **35.1602, 38.3351, 7.0596** is the 20% darker color. If you saturate the color by 10%, you get **65.1008, 70.0559, 15.4018**, and if you desaturate by 10%, it is **69.7214, 75.7806, 27.7832**.

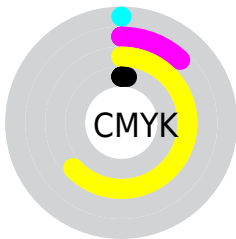
Distribution



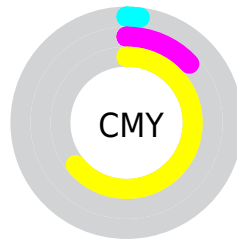
- Red (98%)
- Green (87%)
- Blue (36%)



- Red (50%)
- Yellow (98%)
- Blue (36%)



- Cyan (0%)
- Magenta (12%)
- Yellow (63%)
- Black (2%)



- Cyan (2%)
- Magenta (13%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2126, 72.8096, 20.6364 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 67.2126, 72.8096, 20.6364 by changing the saturation by 10% instead.

67.2126, 72.8096,
20.6364

67.2126, 72.8096,
20.6364

440.1217,
470.3546, 268.0571

49.5288, 53.8203,
12.6698

114.2731,
123.2069, 45.3545

35.2554, 38.4580,
7.0735

144.3805,
155.3836, 62.9432

24.0271, 26.3384,
3.4290

179.3597,
192.7250, 84.5762

15.4786, 17.0769,
1.3176

219.5762,
235.6153, 110.6723

9.2444, 10.2894,
0.0762

265.3953,
284.4391, 141.6499

4.9593, 5.5912,
0.0000

317.1824,

2.2579, 2.5982,

339.5806, 177.9275

0.0000

375.3027,
401.4244, 219.9237

■ 0.7730, 0.9257,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2126, 72.8096,
20.6364

■ 67.2126, 72.8096,
20.6364

■ 65.1008, 70.0559,
15.4018

■ 69.7214, 75.7806,
27.7832

■ 63.3435, 67.4938,
11.8799

■ 72.6544, 78.9719,
37.0065

■ 61.8973, 65.1082,
9.8353

■ 76.0419, 82.3988,
48.4578

■ 61.0464, 63.5683,
9.0524

■ 79.9101, 86.0721,
62.2732

84.2831, 90.0019,
78.5781

89.1830, 94.1975,
97.4887

92.6373, 97.8702,
108.6161

93.2342, 99.0639,
108.8150

Harmonies

Analogous

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



83.3388, 72.8096, 24.3631



67.2126, 72.8096, 20.6364



53.7676, 72.8096, 27.0799

Triad

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



67.2126, 72.8096, 20.6364



47.0982, 72.8096, 137.5783



99.8713, 72.8096, 123.6753

Complementary

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



67.2126, 72.8096, 20.6364



28.5063, 22.8516, 93.3504

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.



87.3422, 72.8096, 174.5600



67.2126, 72.8096, 20.6364



56.7641, 72.8096, 184.4860

Square

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



67.2126, 72.8096, 20.6364



43.3147, 72.8096, 85.1746



71.2330, 72.8096, 200.0785



103.7738, 72.8096, 73.6586

Rectangle

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



67.2126, 72.8096, 20.6364



47.6452, 72.8096, 38.5219



71.2330, 72.8096, 200.0785



96.4448, 72.8096, 141.7804

Sweetspot

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



67.2143, 72.8131, 20.6379



85.4365, 91.7210, 71.9444



46.8647, 29.4241, 22.1468



18.0141, 19.3839, 14.3907



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.



67.2143, 72.8131, 20.6379



67.5333, 72.4903, 14.8758



60.6374, 81.7842, 22.7161



18.4407, 19.6172, 18.2770



32.4795, 33.9157, 4.8345



3.0761, 3.2771, 0.4704

Inverse Universe

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



28.5063, 22.8516, 93.3504



24.2397, 16.7242, 96.5583



31.7975, 20.0808, 92.6422



16.5406, 17.1581, 21.8254



9.7429, 4.8414, 48.3945



0.9700, 0.5838, 4.5047

Previews

White Background



This preview shows how the XYZ color 67.2126, 72.8096, 20.6364 looks on a white background.

Color Contrast Check

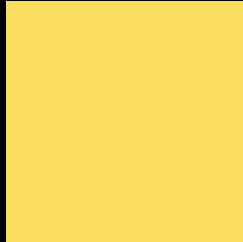
Large Text (above 18pt) WCAG AA × Fail

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 67.2126, 72.8096, 20.6364 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 67.2126, 72.8096, 20.6364

Background



This preview shows how black text looks on a background with the XYZ color 67.2126, 72.8096, 20.6364.

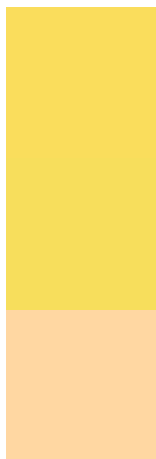


This preview shows how white text looks on a background with the XYZ color 67.2126, 72.8096,

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

67.2126, 72.8096, 20.6364

Protanopia

66.4108, 72.7894, 20.6748

Deuteranopia

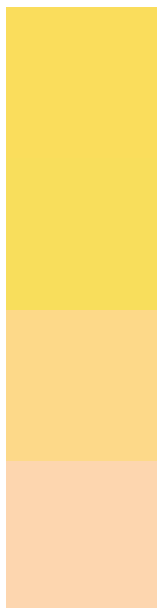
72.0620, 72.4695, 44.3724



Tritanopia

77.6059, 72.6809, 79.7506

Trichromacy



Original Color

67.2126, 72.8096, 20.6364

Protanomaly

66.7644, 72.9717, 20.6913

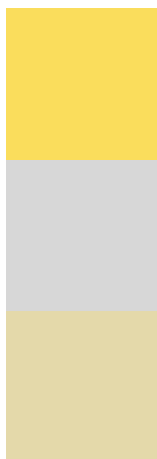
Deuteranomaly

69.8362, 72.3145, 33.9442

Tritanomaly

72.2924, 72.0709, 50.6583

Monochromacy



Original Color

67.2126, 72.8096, 20.6364

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0635, 69.0220, 47.9763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2126, 72.8096, 20.6364 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(250, 221, 92)` looks like.

```
.text, #text, p{  
    color:rgb(250, 221, 92)  
}
```

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(250, 221, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 221, 92) }
```

Border

The CSS property to change the border of an element to XYZ 67.2126, 72.8096, 20.6364 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(250, 221, 92) }
```


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

```
.border{ border-color:rgb(250, 221, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 221, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 221, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 221, 92);  
box-shadow:4px 4px 4px 4px rgb(250, 221,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2126, 72.8096, 20.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 221, 92) }
```

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

```
.background{ background-color: rgb(250,  
221, 92) }
```

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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