

Converting Colors

XYZ(67.3370, 70.3772, 20.1146)

Have a look what the booklet for
XYZ(67.3370, 70.3772, 20.1146)
contains.

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Color

**XYZ(67.4722, 70.6336,
20.2027)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD75C
RGB	255, 215, 92
RGB Percent	100%, 84%, 36%
CMY	0.0000, 0.1568, 0.6392
CMYK	0.00, 0.16, 0.64, 0.00
HSL	45°, 100%, 68%
HSV	45°, 64%, 100%
XYZ	67.4722, 70.6336, 20.2027
YIQ	212.9380, 63.3230, -29.7730

Conversions

Conversions Part 2

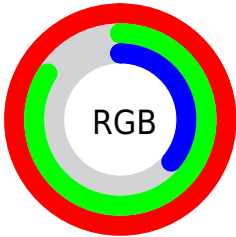
Format	Color
RYB	145, 255, 92
Decimal	16766812
CIELab	87.31, 0.74, 64.04
CIElCh	87, 64.047, 89.334
Yxy	70.6336, 0.4262, 0.4462
Android (android.graphics.Color)	4294956892 (0xFFFFD75C)
YUV	212.9380, -59.6224, 36.8884
Hunter-Lab	84.0438, -3.7729, 44.5784

Details

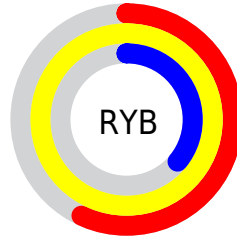
The XYZ color **67.4722, 70.6336, 20.2027** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.7146, 25.9969, 98.0062**, and the grayscale version is **63.5626, 66.8728, 72.8245**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **35.5539, 37.2132, 6.8991** is the 20% darker color. If you saturate the color by 10%, you get **64.9772, 67.1376, 14.7667**, and if you desaturate by 10%, it is **70.4064, 74.4082, 27.6367**.

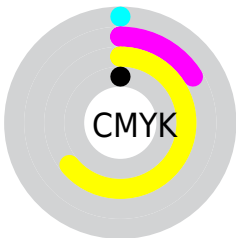
Distribution



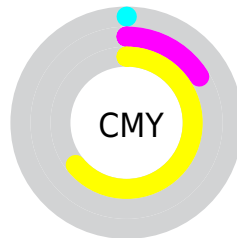
- Red (100%)
- Green (84%)
- Blue (36%)



- Red (57%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4722, 70.6336, 20.2027 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 67.4722, 70.6336, 20.2027 by changing the saturation by 10% instead.


 67.4722, 70.6336,
20.2027

 67.4722, 70.6336,
20.2027


441.0298,
462.7716, 265.6508

 49.7406, 52.0432,
12.3569


 114.6428,
120.1119, 44.6202


 35.4243, 37.0395,
6.8618


 144.8125,
151.7686, 62.0290

 24.1579, 25.2381,
3.2987


 179.8590,
188.5495, 83.4626

 15.5762, 16.2545,
1.2491

 220.1476,
230.8391, 109.3395

 9.3137, 9.7045,
0.0195

266.0436,
279.0217, 140.0782

 5.0051, 5.2034,
0.0000

317.9124,

 2.2850, 2.3671,

333.4817, 176.0973

0.0000

376.1193,
394.6035, 217.8153

■ 0.7870, 0.8089,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4722, 70.6336,
20.2027

■ 67.4722, 70.6336,
20.2027

■ 64.9772, 67.1376,
14.7667

■ 70.4064, 74.4082,
27.6367

■ 62.8766, 63.8930,
11.1168

■ 73.8095, 78.4663,
37.2433

■ 61.1230, 60.8826,
9.0010

■ 77.7139, 82.8244,
49.1829

■ 60.1846, 59.1495,
8.2449

■ 82.1476, 87.4949,
63.5995

■ 87.1364, 92.4890,
80.6254

■ 92.7040, 97.8173,
100.3834

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



83.0203, 70.6336, 25.3421



67.4722, 70.6336, 20.2027



53.9197, 70.6336, 24.8851

Triad

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



67.4722, 70.6336, 20.2027



44.9151, 70.6336, 125.1332



95.2628, 70.6336, 127.4567

Complementary

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



67.4722, 70.6336, 20.2027



30.7146, 25.9969, 98.0062

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.



82.3506, 70.6336, 174.2759



67.4722, 70.6336, 20.2027



53.4176, 70.6336, 172.6185

Square

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



67.4722, 70.6336, 20.2027



42.1347, 70.6336, 75.9482



66.7992, 70.6336, 193.2704



100.4678, 70.6336, 77.8758

Rectangle

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



67.4722, 70.6336, 20.2027



47.4717, 70.6336, 34.5234



66.7992, 70.6336, 193.2704



91.5932, 70.6336, 144.6287

Sweetspot

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



67.4738, 70.6370, 20.2041



84.5318, 89.9115, 71.6428



49.2838, 30.6014, 25.4099



17.7931, 18.9421, 14.3170



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.



67.4738, 70.6370, 20.2041



64.2905, 66.1124, 13.4627



65.4964, 86.6262, 23.3946



19.1615, 20.2912, 19.0510



31.5714, 31.1539, 4.3493



3.1595, 3.2044, 0.4520

Inverse Universe

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



30.7146, 25.9969, 98.0062



25.0726, 18.6183, 96.8800



31.5112, 19.8413, 96.7761



17.3650, 18.1015, 22.8287



10.4450, 5.7996, 50.0035



1.0983, 0.7274, 4.8958

Previews

White Background



This preview shows how the XYZ color 67.4722, 70.6336, 20.2027 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 67.4722, 70.6336, 20.2027 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 67.4722, 70.6336, 20.2027

Background



This preview shows how black text looks on a background with the XYZ color 67.4722, 70.6336, 20.2027.



This preview shows how white text looks on a background with the XYZ color 67.4722, 70.6336,

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

67.4722, 70.6336, 20.2027

Protanopia

64.2694, 70.5080, 20.5780

Deuteranopia

70.3694, 70.5813, 39.1928



Tritanopia

75.9662, 70.4646, 75.9268

Trichromacy



Original Color

67.4722, 70.6336, 20.2027

Protanomaly

65.4050, 70.7073, 20.5566

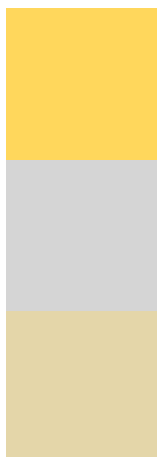
Deuteranomaly

69.0635, 70.4602, 31.0792

Tritanomaly

71.4869, 69.8395, 48.7423

Monochromacy



Original Color

67.4722, 70.6336, 20.2027

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2029, 67.4517, 47.2244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4722, 70.6336, 20.2027 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(255, 215, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 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(255, 215, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 92) }
```

Border

The CSS property to change the border of an element to XYZ 67.4722, 70.6336, 20.2027 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(255, 215, 92) }
```


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

```
.border{ border-color:rgb(255, 215, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4722, 70.6336, 20.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 92) }
```

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

```
.background{ background-color: rgb(255,  
215, 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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