

Converting Colors

XYZ(67.7336, 73.5073, 20.2675)

Have a look what the booklet for
XYZ(67.7336, 73.5073, 20.2675)
contains.

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Color

**XYZ(67.7504, 73.4900,
20.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	FBDE5A
RGB	251, 222, 90
RGB Percent	98%, 87%, 35%
CMY	0.0157, 0.1294, 0.6470
CMYK	0.00, 0.12, 0.64, 0.02
HSL	49°, 95%, 67%
HSV	49°, 64%, 98%
XYZ	67.7504, 73.4900, 20.2870
YIQ	215.6230, 59.6560, -34.9040

Conversions

Conversions Part 2

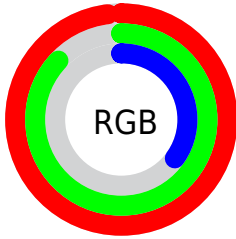
Format	Color
RYB	125, 251, 90
Decimal	16506458
CIELab	88.68, -4.57, 66.25
CIELCh	89, 66.411, 93.943
Yxy	73.4900, 0.4194, 0.4550
Android (android.graphics.Color)	4294696538 (0xFFFBDE5A)
YUV	215.6230, -61.9321, 31.0256
Hunter-Lab	85.7263, -8.9506, 45.9775

Details

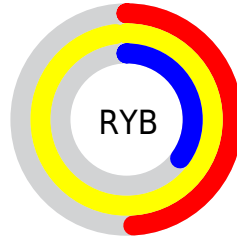
The XYZ color **67.7504, 73.4900, 20.2870** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **28.2257, 22.3317, 94.0890**, and the grayscale version is **65.3950, 68.8006, 74.9238**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **35.5519, 38.8127, 6.9141** is the 20% darker color. If you saturate the color by 10%, you get **65.6733, 70.7666, 15.1844**, and if you desaturate by 10%, it is **70.2237, 76.4290, 27.3021**.

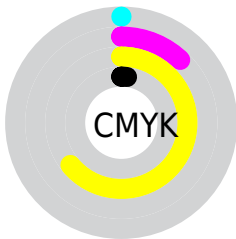
Distribution



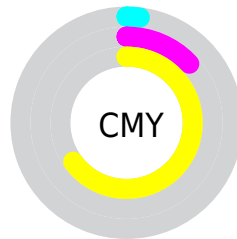
- Red (98%)
- Green (87%)
- Blue (35%)



- Red (49%)
- Yellow (98%)
- Blue (35%)



- Cyan (0%)
- Magenta (12%)
- Yellow (64%)
- Black (2%)





- Cyan (2%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7504, 73.4900, 20.2870 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 67.7504, 73.4900, 20.2870 by changing the saturation by 10% instead.


 67.7504, 73.4900,
20.2870


 67.7504, 73.4900,
20.2870


442.0018,
472.7113, 266.1200


 49.9676, 54.3767,
12.4177


 115.0389,
124.1726, 44.7631


 35.6054, 38.9029,
6.9028


 145.2753,
156.5107, 62.2070

 24.2983, 26.6842,
3.3239


 180.3936,
194.0258, 83.6795

 15.6810, 17.3362,
1.2623

 220.7593,
237.1024, 109.5992

 9.3881, 10.4745,
0.0306

266.7375,
286.1249, 140.3845

 5.0543, 5.7147,
0.0000

318.6938,

 2.3142, 2.6724,

341.4776, 176.4541

0.0000

376.9934,
403.5449, 218.2264

■ 0.8019, 0.9632,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7504, 73.4900,
20.2870

■ 67.7504, 73.4900,
20.2870

■ 65.6733, 70.7666,
15.1844

■ 70.2237, 76.4290,
27.3021

■ 63.9489, 68.2327,
11.7898

■ 73.1211, 79.5867,
36.3977

■ 62.5324, 65.8726,
9.8598

■ 76.4736, 82.9786,
47.7283

■ 61.8063, 64.5548,
9.2028

■ 80.3076, 86.6159,
61.4327

■ 84.6477, 90.5087,
77.6383

■ 89.5164, 94.6663,
96.4633

■ 93.1634, 98.3890,
108.6885

■ 93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



84.2926, 73.4900, 24.0062



67.7504, 73.4900, 20.2870



54.0050, 73.4900, 26.8327

Triad

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



67.7504, 73.4900, 20.2870



47.2605, 73.4900, 140.1668



101.3827, 73.4900, 125.4271

Complementary

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



67.7504, 73.4900, 20.2870



28.2257, 22.3317, 94.0890

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.



88.5257, 73.4900, 177.9405



67.7504, 73.4900, 20.2870



57.1592, 73.4900, 188.4915

Square

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



67.7504, 73.4900, 20.2870



43.3776, 73.4900, 86.2476



71.9926, 73.4900, 204.4457



105.3586, 73.4900, 74.0960

Rectangle

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



67.7504, 73.4900, 20.2870



47.7652, 73.4900, 38.4751



71.9926, 73.4900, 204.4457



97.8687, 73.4900, 144.0805

Sweetspot

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



67.7521, 73.4935, 20.2885



85.4870, 91.8220, 71.9612



46.8010, 29.1665, 20.7799



18.0264, 19.4086, 14.3948



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.



67.7521, 73.4935, 20.2885



67.5194, 72.5701, 14.5390



60.1667, 82.0139, 22.3329



18.4460, 19.6278, 18.2787



32.5864, 34.1295, 4.8702



3.0851, 3.2950, 0.4734

Inverse Universe

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



28.2257, 22.3317, 94.0890



23.8365, 16.1462, 96.4680



32.0511, 19.9395, 93.4256



16.5358, 17.1484, 21.8237



9.7243, 4.8041, 48.3883



0.9676, 0.5789, 4.5039

Previews

White Background



This preview shows how the XYZ color 67.7504, 73.4900, 20.2870 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 67.7504, 73.4900, 20.2870 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 67.7504, 73.4900, 20.2870

Background



This preview shows how black text looks on a background with the XYZ color 67.7504, 73.4900, 20.2870.

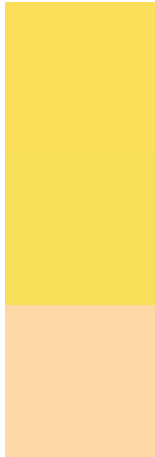


This preview shows how white text looks on a background with the XYZ color 67.7504, 73.4900,

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

67.7504, 73.4900, 20.2870

Protanopia

66.9445, 73.4700, 20.3256

Deuteranopia

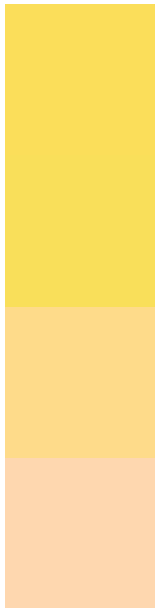
72.8444, 73.6023, 45.9647



Tritanopia

77.9888, 73.2303, 80.5454

Trichromacy



Original Color

67.7504, 73.4900, 20.2870

Protanomaly

67.3001, 73.6533, 20.3423

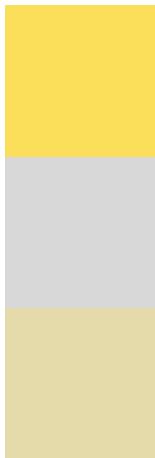
Deuteranomaly

70.7920, 73.5688, 34.5138

Tritanomaly

72.9114, 72.7669, 50.7600

Monochromacy



Original Color

67.7504, 73.4900, 20.2870

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.6402, 69.7031, 48.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7504, 73.4900, 20.2870 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(251, 222, 90)` looks like.

```
.text, #text, p{  
    color:rgb(251, 222, 90)  
}
```

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(251, 222, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 222, 90) }
```

Border

The CSS property to change the border of an element to XYZ 67.7504, 73.4900, 20.2870 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(251, 222, 90) }
```


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

```
.border{ border-color:rgb(251, 222, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 222, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 222, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 222, 90);  
box-shadow:4px 4px 4px 4px rgb(251, 222,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7504, 73.4900, 20.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 222, 90) }
```

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

```
.background{ background-color: rgb(251,  
222, 90) }
```

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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