

Converting Colors

XYZ(67.1186, 72.0611, 13.5036)

Have a look what the booklet for
XYZ(67.1186, 72.0611, 13.5036)
contains.

XYZ(67.1691, 72.1621, 13.5204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.1691, 72.1621,
13.5204)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB33
RGB	255, 219, 51
RGB Percent	100%, 86%, 20%
CMY	0.0000, 0.1411, 0.8000
CMYK	0.00, 0.14, 0.80, 0.00
HSL	49°, 100%, 60%
HSV	49°, 80%, 100%
XYZ	67.1691, 72.1621, 13.5204
YIQ	210.6120, 75.3840, -44.6160

Conversions

Conversions Part 2

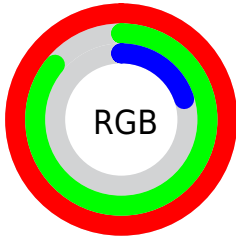
Format	Color
R _{YB}	95, 255, 51
Decimal	16767795
CIE Lab	88.05, -3.11, 79.61
CIE LCh	88, 79.672, 92.240
Yxy	72.1621, 0.4394, 0.4721
Android (android.graphics.Color)	4294957875 (0xFFFFDB33)
YUV	210.6120, -78.6887, 38.9283
Hunter-Lab	84.9483, -7.5185, 50.0272

Details

The XYZ color **67.1691, 72.1621, 13.5204** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **22.8236, 14.7402, 96.2493**, and the grayscale version is **62.1307, 65.3663, 71.1839**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **35.5236, 38.0203, 5.4663** is the 20% darker color. If you saturate the color by 10%, you get **65.5960, 69.6828, 10.9415**, and if you desaturate by 10%, it is **69.0850, 74.8349, 17.7336**.

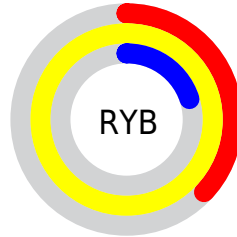
Distribution



Red (100%)

Green (86%)

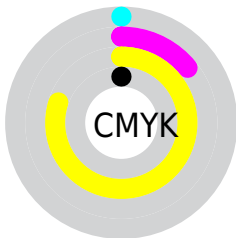
Blue (20%)



Red (37%)

Yellow (100%)

Blue (20%)

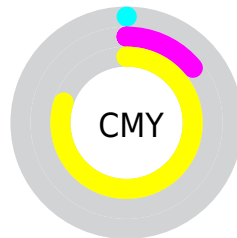


Cyan (0%)

Magenta (14%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1691, 72.1621, 13.5204 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 67.1691, 72.1621, 13.5204 by changing the saturation by 10% instead.

67.1691, 72.1621,
13.5204

67.1691, 72.1621,
13.5204

439.9695,
468.1056, 225.5502

49.4933, 53.2911,
7.6529

114.2111,
122.2870, 32.9404

35.2271, 38.0352,
3.7891

144.3081,
154.3096, 47.3300

24.0052, 26.0100,
1.5104

179.2760,
191.4850, 65.3974

15.4622, 16.8311,
0.2256

219.4805,
234.1974, 87.5611

9.2328, 10.1142,
0.0000

265.2866,
282.8312, 114.2397

4.9517, 5.4747,
0.0000

317.0600,

2.2534, 2.5284,

337.7710, 145.8517

0.0000

375.1658,
399.4010, 182.8157

■ 0.7707, 0.8908,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1691, 72.1621,
13.5204

■ 67.1691, 72.1621,
13.5204

■ 65.5960, 69.6828,
10.9415

■ 69.0850, 74.8349,
17.7336

■ 64.2885, 67.3573,
9.6131

■ 71.3832, 77.7090,
23.8092

■ 64.2881, 67.3566,
9.6128

■ 74.1024, 80.8031,
31.9432

■ 77.2753, 84.1305,
42.3058

■ 80.9309, 87.7033,
55.0495

■ 85.0960, 91.5326,
70.3133

■ 89.7950, 95.6285,
88.2254

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.



87.0614, 72.1621, 17.5716



67.1691, 72.1621, 13.5204



50.8772, 72.1621, 19.1226

Triad

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



67.1691, 72.1621, 13.5204



42.0828, 72.1621, 148.6968



106.2865, 72.1621, 138.1151

Complementary

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



67.1691, 72.1621, 13.5204



22.8236, 14.7402, 96.2493

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.



89.9948, 72.1621, 204.5482



67.1691, 72.1621, 13.5204



52.9320, 72.1621, 212.3895

Square

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



67.1691, 72.1621, 13.5204



38.1620, 72.1621, 82.7354



70.0266, 72.1621, 236.4721



111.9818, 72.1621, 74.5512

Rectangle

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



67.1691, 72.1621, 13.5204



43.5576, 72.1621, 30.3199



70.0266, 72.1621, 236.4721



101.7358, 72.1621, 161.6940

Sweetspot

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



67.1707, 72.1656, 13.5218



83.3666, 89.9690, 63.8931



44.2021, 24.3394, 11.6891



17.5294, 18.9666, 12.5275



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.



67.1707, 72.1656, 13.5218



64.7913, 68.2732, 10.0561



57.6931, 82.7575, 16.0658



19.2726, 20.5133, 19.0880



33.6915, 35.3943, 5.0560



3.3486, 3.5827, 0.5150

Inverse Universe

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



22.8236, 14.7402, 96.2493



19.4687, 9.8680, 95.4863



26.3840, 13.2742, 95.7787



17.2621, 17.8958, 22.7944



9.9963, 4.9021, 49.8539



1.0409, 0.6124, 4.8766

Previews

White Background



This preview shows how the XYZ color 67.1691, 72.1621, 13.5204 looks on a white background.

Color Contrast Check

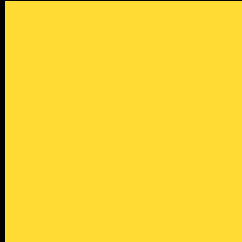
Large Text (above 18pt) WCAG AA × Fail

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 67.1691, 72.1621, 13.5204 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 67.1691, 72.1621, 13.5204

Background



This preview shows how black text looks on a background with the XYZ color 67.1691, 72.1621, 13.5204.



This preview shows how white text looks on a background with the XYZ color 67.1691, 72.1621,

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

67.1691, 72.1621, 13.5204

Protanopia

65.1877, 71.9173, 13.6945

Deuteranopia

71.4568, 72.2274, 41.1855



Tritanopia

76.9587, 72.0282, 77.5568

Trichromacy



Original Color

67.1691, 72.1621, 13.5204

Protanomaly

65.9967, 71.9436, 13.6569

Deuteranomaly

69.0068, 71.6561, 27.0236

Tritanomaly

71.2923, 71.3517, 42.8156

Monochromacy



Original Color

67.1691, 72.1621, 13.5204

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.4749, 66.7239, 39.7759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1691, 72.1621, 13.5204 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, 219, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 51)  
}
```

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, 219, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 51) }
```

Border

The CSS property to change the border of an element to XYZ 67.1691, 72.1621, 13.5204 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, 219, 51) }
```


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

```
.border{ border-color:rgb(255, 219, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1691, 72.1621, 13.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 51) }
```

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

```
.background{ background-color: rgb(255,  
219, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor