

Converting Colors

XYZ(65.4490, 68.8569, 12.5310)

Have a look what the booklet for
XYZ(65.4490, 68.8569, 12.5310)
contains.

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Color

**XYZ(65.5473, 69.0537,
12.5633)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD52F
RGB	255, 213, 47
RGB Percent	100%, 84%, 18%
CMY	0.0000, 0.1647, 0.8157
CMYK	0.00, 0.16, 0.82, 0.00
HSL	48°, 100%, 59%
HSV	48°, 82%, 100%
XYZ	65.5473, 69.0537, 12.5633
YIQ	206.6340, 78.3180, -42.7220

Conversions

Conversions Part 2

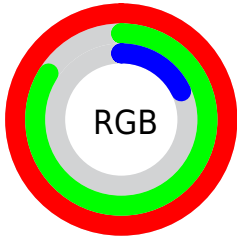
Format	Color
R _Y B	100, 255, 47
Decimal	16766255
CIE Lab	86.53, -0.19, 79.41
CIE LCh	87, 79.410, 90.140
Yxy	69.0537, 0.4454, 0.4692
Android (android.graphics.Color)	4294956335 (0xFFFFD52F)
YUV	206.6340, -78.6996, 42.4170
Hunter-Lab	83.0986, -4.6235, 49.2052

Details

The XYZ color **65.5473, 69.0537, 12.5633** 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 **22.7948, 14.9692, 96.2949**, and the grayscale version is **59.5296, 62.6297, 68.2038**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **34.6463, 36.2656, 5.1739** is the 20% darker color. If you saturate the color by 10%, you get **63.9012, 66.3587, 10.1749**, and if you desaturate by 10%, it is **67.5376, 71.9576, 16.5476**.

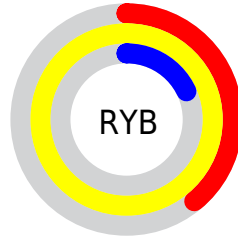
Distribution



Red (100%)

Green (84%)

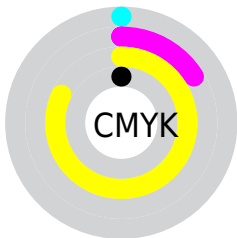
Blue (18%)



Red (39%)

Yellow (100%)

Blue (18%)

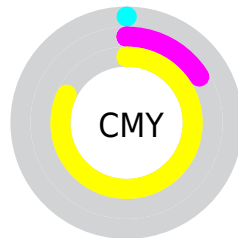


Cyan (0%)

Magenta (16%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5473, 69.0537, 12.5633 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 65.5473, 69.0537, 12.5633 by changing the saturation by 10% instead.


 65.5473, 69.0537,
12.5633

 65.5473, 69.0537,
12.5633


434.2703,
457.2203, 219.2083


 48.1713, 50.7554,
7.0014


 111.8977,
117.8583, 31.1966


 34.1744, 36.0140,
3.3845


 141.6028,
149.1334, 45.1050


 23.1911, 24.4450,
1.2942


 176.1484,
185.5029, 62.6326

 14.8562, 15.6641,
0.0570

 215.8998,
227.3512, 84.1980

 8.8042, 9.2868,
0.0000

 261.2223,
275.0627, 110.2198

 4.6698, 4.9287,
0.0000

312.4813,

 2.0876, 2.2055,

329.0218, 141.1164

0.0000

370.0422,
389.6129, 177.3063

■ 0.6824, 0.7230,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5473, 69.0537,
12.5633

■ 65.5473, 69.0537,
12.5633

■ 63.9012, 66.3587,
10.1749

■ 67.5376, 71.9576,
16.5476

■ 62.7177, 64.2160,
9.0893

■ 69.9134, 75.0794,
22.3640

■ 72.7145, 78.4383,
30.2134

■ 75.9741, 82.0481,
40.2693

■ 79.7220, 85.9213,
52.6867

■ 83.9853, 90.0694,
67.6064

■ 88.7890, 94.5028,
85.1584

■ 94.1564, 99.2315,
105.4634

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



84.8717, 69.0537, 17.1019



65.5473, 69.0537, 12.5633



49.4234, 69.0537, 17.1940

Triad

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



65.5473, 69.0537, 12.5633



39.5449, 69.0537, 138.4024



101.3462, 69.0537, 137.7611

Complementary

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



65.5473, 69.0537, 12.5633



22.7948, 14.9692, 96.2949

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.



85.0490, 69.0537, 201.2641



65.5473, 69.0537, 12.5633



49.5471, 69.0537, 201.7405

Square

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



65.5473, 69.0537, 12.5633



36.2300, 69.0537, 75.4349



65.7197, 69.0537, 228.8451



107.7513, 69.0537, 74.9411

Rectangle

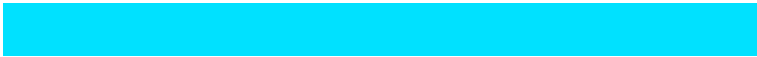
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5473, 69.0537, 12.5633



42.0491, 69.0537, 27.1490



65.7197, 69.0537, 228.8451



96.7095, 69.0537, 160.6209

Sweetspot

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



65.5489, 69.0571, 12.5647



82.8993, 89.0344, 63.7373



44.1914, 24.0674, 12.4581



17.4156, 18.7390, 12.4895



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.



65.5489, 69.0571, 12.5647



62.9910, 64.7173, 9.3181



59.0556, 83.4696, 15.6888



19.2314, 20.4310, 19.0743



32.8808, 33.7729, 4.7858



3.2767, 3.4387, 0.4910

Inverse Universe

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



22.7948, 14.9692, 96.2949



19.5065, 10.0381, 95.5172



25.0032, 12.3140, 95.6660



17.3000, 17.9715, 22.8070



10.1444, 5.1983, 49.9033



1.0606, 0.6519, 4.8832

Previews

White Background



This preview shows how the XYZ color 65.5473, 69.0537, 12.5633 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 65.5473, 69.0537, 12.5633 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 65.5473, 69.0537, 12.5633

Background



This preview shows how black text looks on a background with the XYZ color 65.5473, 69.0537, 12.5633.



This preview shows how white text looks on a background with the XYZ color 65.5473, 69.0537,

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

65.5473, 69.0537, 12.5633

Protanopia

62.6546, 69.0722, 12.8263

Deuteranopia

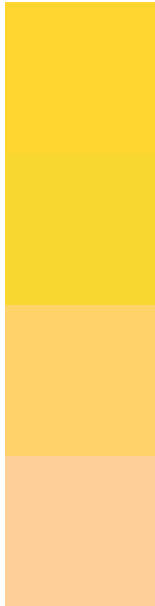
68.8740, 69.1882, 33.7694



Tritanopia

74.7335, 68.8269, 72.9644

Trichromacy



Original Color

65.5473, 69.0537, 12.5633

Protanomaly

63.8008, 69.2816, 12.8063

Deuteranomaly

67.0841, 68.8685, 23.1218

Tritanomaly

69.3026, 68.1856, 39.6455

Monochromacy



Original Color

65.5473, 69.0537, 12.5633

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

58.9657, 63.6181, 37.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5473, 69.0537, 12.5633 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, 213, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 47)  
}
```

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, 213, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 47) }
```

Border

The CSS property to change the border of an element to XYZ 65.5473, 69.0537, 12.5633 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, 213, 47) }
```


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

```
.border{ border-color:rgb(255, 213, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5473, 69.0537, 12.5633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 47) }
```

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

```
.background{ background-color: rgb(255,  
213, 47) }
```

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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