

Converting Colors

XYZ(88.7598, 84.1648, 12.4962)

Have a look what the booklet for
XYZ(88.7598, 84.1648, 12.4962)
contains.

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Color

**XYZ(67.2719, 73.0431,
11.4728)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD19
RGB	255, 221, 25
RGB Percent	100%, 87%, 10%
CMY	0.0000, 0.1333, 0.9019
CMYK	0.00, 0.13, 0.90, 0.00
HSL	51°, 100%, 55%
HSV	51°, 90%, 100%
XYZ	67.2719, 73.0431, 11.4728
YIQ	208.8220, 83.1800, -53.7480

Conversions

Conversions Part 2

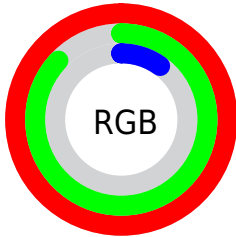
Format	Color
R _Y B	65, 255, 25
Decimal	16768281
CIE Lab	88.47, -4.70, 85.65
CIE LCh	88, 85.783, 93.144
Yxy	73.0431, 0.4432, 0.4812
Android (android.graphics.Color)	4294958361 (0xFFFFDD19)
YUV	208.8220, -90.6242, 40.4981
Hunter-Lab	85.4653, -9.0623, 51.8666

Details

The XYZ color **67.2719, 73.0431, 11.4728** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **20.0154, 10.5554, 95.5894**, and the grayscale version is **61.0253, 64.2034, 69.9175**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **35.6285, 38.6099, 5.5746** is the 20% darker color. If you saturate the color by 10%, you get **66.1324, 71.0453, 10.2276**, and if you desaturate by 10%, it is **68.6912, 75.2239, 13.9754**.

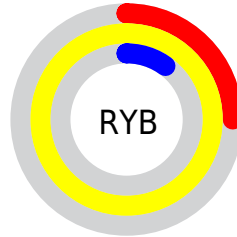
Distribution



Red (100%)

Green (87%)

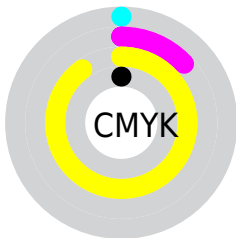
Blue (10%)



Red (25%)

Yellow (100%)

Blue (10%)

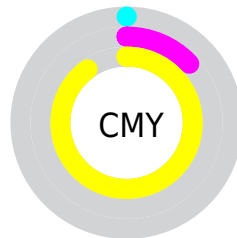


Cyan (0%)

Magenta (13%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2719, 73.0431, 11.4728 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 67.2719, 73.0431, 11.4728 by changing the saturation by 10% instead.


 67.2719, 73.0431,
11.4728

 67.2719, 73.0431,
11.4728


440.3293,
471.1642, 211.7357


 49.5771, 54.0112,
6.2676


 114.3576,
123.5384, 29.1811

 35.2939, 38.6106,
2.9371


 144.4792,
155.7706, 42.5213


 24.0570, 26.4569,
1.0626


 179.4738,
193.1717, 59.4103

 15.5008, 17.1658,
0.0000

 219.7068,
236.1260, 80.2666

 9.2602, 10.3528,
0.0000

 265.5435,
285.0181, 105.5087

 4.9698, 5.6335,
0.0000

 317.3492,

 2.2641, 2.6235,

340.2322, 135.5553

0.0000

375.4893,
402.1527, 170.8247

■ 0.7762, 0.9385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2719, 73.0431,
11.4728

■ 67.2719, 73.0431,
11.4728

■ 66.1324, 71.0453,
10.2276

■ 68.6912, 75.2239,
13.9754

■ 70.4382, 77.5689,
18.0999

■ 72.5589, 80.0995,
24.0810

■ 75.0906, 82.8310,
32.1139

■ 78.0658, 85.7765,
42.3691

■ 81.5136, 88.9480,
54.9994

■ 85.4605, 92.3561,
70.1439

■ 89.9311, 96.0111,
87.9311

94.9483, 99.9222,
108.4805

Harmonies

Analogous

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



88.9364, 73.0431, 15.1282



67.2719, 73.0431, 11.4728



49.9130, 73.0431, 17.2845

Triad

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



67.2719, 73.0431, 11.4728



41.2208, 73.0431, 159.2413



111.1801, 73.0431, 142.7021

Complementary

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



67.2719, 73.0431, 11.4728



20.0154, 10.5554, 95.5894

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.



93.4565, 73.0431, 217.6609



67.2719, 73.0431, 11.4728



52.9993, 73.0431, 230.0833

Square

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



67.2719, 73.0431, 11.4728



36.8658, 73.0431, 85.9277



71.6241, 73.0431, 255.5022



117.0567, 73.0431, 73.4609

Rectangle

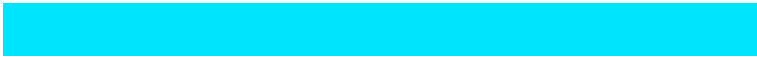
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.2719, 73.0431, 11.4728



42.2711, 73.0431, 28.9899



71.6241, 73.0431, 255.5022



106.2581, 73.0431, 169.0137

Sweetspot

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



67.2735, 73.0466, 11.4742



82.7180, 90.0098, 59.5520



42.3904, 22.2768, 6.2733



17.4297, 19.0229, 11.7058



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.



67.2735, 73.0466, 11.4742



66.1330, 71.0460, 10.2277



53.5035, 80.6464, 13.6669



19.3190, 20.6061, 19.1035



34.6429, 37.2971, 5.3732



3.4326, 3.7506, 0.5430

Inverse Universe

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



20.0154, 10.5554, 95.5894



18.7332, 8.5865, 95.2777



24.2835, 10.9500, 95.4406



17.2196, 17.8109, 22.7802



9.8531, 4.6158, 49.8062



1.0206, 0.5719, 4.8699

Previews

White Background



This preview shows how the XYZ color 67.2719, 73.0431, 11.4728 looks on a white background.

Color Contrast Check

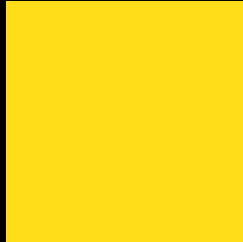
Large Text (above 18pt) WCAG AA × Fail

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 67.2719, 73.0431, 11.4728 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 67.2719, 73.0431, 11.4728

Background



This preview shows how black text looks on a background with the XYZ color 67.2719, 73.0431, 11.4728.



This preview shows how white text looks on a background with the XYZ color 67.2719, 73.0431,

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

67.2719, 73.0431, 11.4728

Protanopia

65.9985, 73.1739, 11.6228

Deuteranopia

72.0539, 72.8749, 43.0695



Tritanopia

77.7191, 73.1225, 79.1250

Trichromacy



Original Color

67.2719, 73.0431, 11.4728

Protanomaly

66.4526, 73.0126, 11.5677

Deuteranomaly

69.1259, 72.5286, 25.1079

Tritanomaly

71.0455, 72.0629, 39.0192

Monochromacy



Original Color

67.2719, 73.0431, 11.4728

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

60.0408, 65.7102, 35.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2719, 73.0431, 11.4728 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, 221, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 25)  
}
```

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, 221, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 25) }
```

Border

The CSS property to change the border of an element to XYZ 67.2719, 73.0431, 11.4728 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, 221, 25) }
```


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

```
.border{ border-color:rgb(255, 221, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2719, 73.0431, 11.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 25) }
```

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

```
.background{ background-color: rgb(255,  
221, 25) }
```

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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