

Converting Colors

XYZ(66.8838, 71.9613, 12.2855)

Have a look what the booklet for
XYZ(66.8838, 71.9613, 12.2855)
contains.

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Color

**XYZ(66.9377, 72.0695,
12.3023)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDB27
RGB	255, 219, 39
RGB Percent	100%, 86%, 15%
CMY	0.0000, 0.1411, 0.8470
CMYK	0.00, 0.14, 0.85, 0.00
HSL	50°, 100%, 58%
HSV	50°, 85%, 100%
XYZ	66.9377, 72.0695, 12.3023
YIQ	209.2440, 79.2360, -48.3480

Conversions

Conversions Part 2

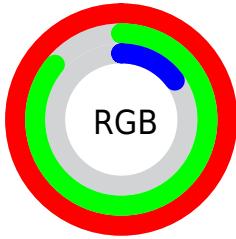
Format	Color
R _Y B	82, 255, 39
Decimal	16767783
CIE Lab	88.00, -3.43, 82.63
CIE LCh	88, 82.697, 92.380
Yxy	72.0695, 0.4424, 0.4763
Android (android.graphics.Color)	4294957863 (0xFFFFDB27)
YUV	209.2440, -83.9303, 40.1280
Hunter-Lab	84.8938, -7.8190, 50.8337

Details

The XYZ color **66.9377, 72.0695, 12.3023** 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 **21.4032, 12.6839, 95.9271**, and the grayscale version is **61.2610, 64.4513, 70.1875**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **35.7033, 38.3796, 5.5262** is the 20% darker color. If you saturate the color by 10%, you get **65.5544, 69.7677, 10.4097**, and if you desaturate by 10%, it is **68.6358, 74.5481, 15.6987**.

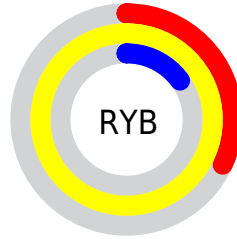
Distribution



Red (100%)

Green (86%)

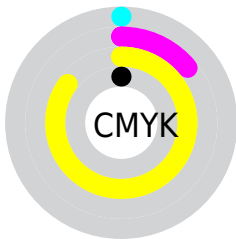
Blue (15%)



Red (32%)

Yellow (100%)

Blue (15%)

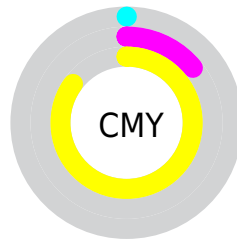


Cyan (0%)

Magenta (14%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9377, 72.0695, 12.3023 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 66.9377, 72.0695, 12.3023 by changing the saturation by 10% instead.


 66.9377, 72.0695,
12.3023

 66.9377, 72.0695,
12.3023


439.1589,
467.7835, 217.4449

 49.3045, 53.2155,
6.8249


 113.8814,
122.1553, 30.7171

 35.0766, 37.9748,
3.2760


 143.9227,
154.1559, 44.4915


 23.8887, 25.9631,
1.2373


 178.8307,
191.3075, 61.8687

 15.3754, 16.7961,
0.0095

 218.9707,
233.9944, 83.2672

 9.1713, 10.0892,
0.0000

 264.7082,
282.6010, 109.1055

 4.9111, 5.4581,
0.0000

 316.4085,

 2.2294, 2.5185,

337.5118, 139.8022

0.0000

374.4370,
399.1112, 175.7758

■ 0.7582, 0.8859,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9377, 72.0695,
12.3023

■ 66.9377, 72.0695,
12.3023

■ 65.5544, 69.7677,
10.4097


■ 68.6358, 74.5481,
15.6987


■ 64.9099, 68.6003,
9.8201


■ 70.6931, 77.2132,
20.8528


■ 73.1512, 80.0846,
27.9763

■ 76.0447, 83.1764,
37.2498

 79.4041, 86.5011,
48.8333

 83.2572, 90.0702,
62.8719

 87.6294, 93.8942,
79.4984

 92.5443, 97.9827,
98.8363

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



87.6209, 72.0695, 16.2288



66.9377, 72.0695, 12.3023



50.1378, 72.0695, 17.8571

Triad

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



66.9377, 72.0695, 12.3023



41.2134, 72.0695, 152.1564



107.8787, 72.0695, 140.3341

Complementary

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



66.9377, 72.0695, 12.3023



21.4032, 12.6839, 95.9271

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.



90.8733, 72.0695, 210.5079



66.9377, 72.0695, 12.3023



52.3850, 72.0695, 219.3327

Square

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



66.9377, 72.0695, 12.3023



37.1754, 72.0695, 83.0668



70.0862, 72.0695, 244.6102



113.7870, 72.0695, 74.0488

Rectangle

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



66.9377, 72.0695, 12.3023



42.6465, 72.0695, 29.1043



70.0862, 72.0695, 244.6102



103.1284, 72.0695, 165.1532

Sweetspot

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



66.9393, 72.0730, 12.3037



83.1357, 89.9609, 62.4171



43.2358, 23.2196, 8.8611



17.4934, 18.9814, 12.2481



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.



66.9393, 72.0730, 12.3037



64.9104, 68.6009, 9.8201



55.6552, 81.7336, 14.7632



19.2884, 20.5450, 19.0933



34.0124, 36.0361, 5.1630



3.3770, 3.6394, 0.5245

Inverse Universe

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



21.4032, 12.6839, 95.9271



18.8956, 8.9111, 95.3319



25.3320, 12.0516, 95.5980



17.2475, 17.8667, 22.7895



9.9445, 4.7986, 49.8367



1.0337, 0.5981, 4.8742

Previews

White Background



This preview shows how the XYZ color 66.9377, 72.0695, 12.3023 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 66.9377, 72.0695, 12.3023 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 66.9377, 72.0695, 12.3023

Background



This preview shows how black text looks on a background with the XYZ color 66.9377, 72.0695, 12.3023.



This preview shows how white text looks on a background with the XYZ color 66.9377, 72.0695,

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

66.9377, 72.0695, 12.3023

Protanopia

65.3064, 72.0058, 12.4640

Deuteranopia

71.3732, 72.1940, 40.7449



Tritanopia

76.9587, 72.0282, 77.5568

Trichromacy



Original Color

66.9377, 72.0695, 12.3023

Protanomaly

65.7599, 71.8488, 12.4098

Deuteranomaly

68.7205, 71.5416, 25.5162

Tritanomaly

70.8670, 71.1816, 40.5762

Monochromacy



Original Color

66.9377, 72.0695, 12.3023

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

60.4247, 65.8638, 37.1320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9377, 72.0695, 12.3023 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 39) }
```

Border

The CSS property to change the border of an element to XYZ 66.9377, 72.0695, 12.3023 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, 39) }
```


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

```
.border{ border-color:rgb(255, 219, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9377, 72.0695, 12.3023 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, 39) }
```

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

```
.background{ background-color: rgb(255,  
219, 39) }
```

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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