

Converting Colors

XYZ(72.3802, 82.5842, 15.2575)

Have a look what the booklet for
XYZ(72.3802, 82.5842, 15.2575)
contains.

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Color

**XYZ(72.4121, 82.6481,
15.2681)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE33
RGB	255, 238, 51
RGB Percent	100%, 93%, 20%
CMY	0.0000, 0.0666, 0.8000
CMYK	0.00, 0.07, 0.80, 0.00
HSL	55°, 100%, 60%
HSV	55°, 80%, 100%
XYZ	72.4121, 82.6481, 15.2681
YIQ	221.7650, 70.1590, -54.5530

Conversions

Conversions Part 2

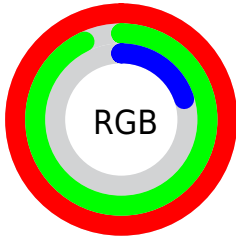
Format	Color
R_{YB}	70, 255, 51
Decimal	16772659
CIE Lab	92.86, -12.56, 83.78
CIE LCh	93, 84.721, 98.528
Yxy	82.6481, 0.4251, 0.4852
Android (android.graphics.Color)	4294962739 (0xFFFFEE33)
YUV	221.7650, -84.1871, 29.1471
Hunter-Lab	90.9110, -16.9161, 53.6802

Details

The XYZ color **72.4121, 82.6481, 15.2681** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.4827, 12.0583, 95.8023**, and the grayscale version is **69.8084, 73.4439, 79.9804**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **38.9761, 44.9252, 6.6172** is the 20% darker color. If you saturate the color by 10%, you get **71.3824, 81.2557, 12.8704**, and if you desaturate by 10%, it is **73.7606, 84.1861, 19.2925**.

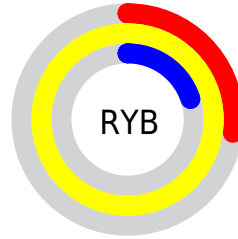
Distribution



Red (100%)

Green (93%)

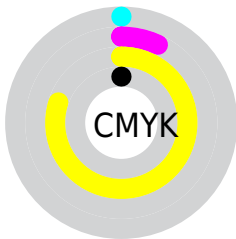
Blue (20%)



Red (27%)

Yellow (100%)

Blue (20%)

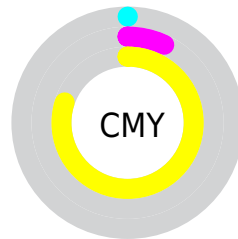


Cyan (0%)

Magenta (7%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4121, 82.6481, 15.2681 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 72.4121, 82.6481, 15.2681 by changing the saturation by 10% instead.


 72.4121, 82.6481,
15.2681


 72.4121, 82.6481,
15.2681


458.1101,
503.8130, 236.6797

 53.7820, 61.8999,
8.8591


 121.6499,
137.0825, 36.0718


 38.6574, 44.9518,
4.5538


 152.9883,
171.5375, 51.3034


 26.6728, 31.4195,
1.9338


 189.2936,
211.3301, 70.3131

 17.4630, 20.9185,
0.5141

 230.9311,
256.8449, 93.5193

 10.6625, 13.0644,
0.0000

 278.2661,
308.4662, 121.3404

 5.9060, 7.4729,
0.0000

331.6641,

 2.8281, 3.7596,

366.5784, 154.1952

0.0000

391.4903,
431.5658, 192.5021

■ 1.0635, 1.5400,
0.0000

■ 0.0000, 0.3166,
0.0000

■ 72.4121, 82.6481,
15.2681

■ 72.4121, 82.6481,
15.2681

■ 71.3824, 81.2557,
12.8704

■ 73.7606, 84.1861,
19.2925

■ 70.5939, 79.9681,
11.7149

■ 75.4665, 85.8756,
25.1707

■ 70.5936, 79.9677,
11.7146

■ 77.5686, 87.7353,
33.0991

■ 80.0993, 89.7782,
43.2478

■ 83.0874, 92.0160,
55.7692

■ 86.5594, 94.4592,
70.8021

■ 90.5397, 97.1176,
88.4748

95.0497, 99.9998,
108.9000

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.



95.1821, 82.6481, 17.5525



72.4121, 82.6481, 15.2681



54.9192, 82.6481, 24.3588

Triad

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



72.4121, 82.6481, 15.2681



49.7476, 82.6481, 189.2395



125.1777, 82.6481, 142.3730

Complementary

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



72.4121, 82.6481, 15.2681



21.4827, 12.0583, 95.8023

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.



108.1517, 82.6481, 222.9489



72.4121, 82.6481, 15.2681



63.9858, 82.6481, 257.6997

Square

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



72.4121, 82.6481, 15.2681



43.5411, 82.6481, 109.2974



85.0349, 82.6481, 272.3057



128.5955, 82.6481, 73.1013

Rectangle

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



72.4121, 82.6481, 15.2681



47.5653, 82.6481, 40.1836



85.0349, 82.6481, 272.3057



120.7211, 82.6481, 169.7823

Sweetspot

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



72.4140, 82.6520, 15.2698



85.1103, 93.4564, 64.4743



43.4675, 24.0457, 7.8204



17.9554, 19.8185, 12.6694



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.



72.4140, 82.6520, 15.2698



70.8922, 80.4749, 12.0897



52.9357, 80.3050, 15.8434



19.4242, 20.8165, 19.1386



36.9409, 41.8930, 6.1392



3.6334, 4.1523, 0.6100

Inverse Universe

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



21.4827, 12.0583, 95.8023



18.6571, 8.2446, 95.2158



29.3882, 14.8230, 95.9193



17.1246, 17.6208, 22.7485



9.6158, 4.1411, 49.7271



0.9760, 0.4826, 4.8550

Previews

White Background



This preview shows how the XYZ color 72.4121, 82.6481, 15.2681 looks on a white background.

Color Contrast Check

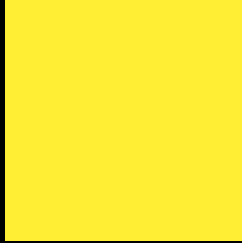
Large Text (above 18pt) WCAG AA × Fail

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 72.4121, 82.6481, 15.2681 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 72.4121, 82.6481, 15.2681

Background



This preview shows how black text looks on a background with the XYZ color 72.4121, 82.6481, 15.2681.



This preview shows how white text looks on a background with the XYZ color 72.4121, 82.6481,

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

72.4121, 82.6481, 15.2681

Protanopia

75.9063, 82.6598, 37.9409

Deuteranopia

80.2412, 82.5820, 66.3543



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



Original Color

72.4121, 82.6481, 15.2681



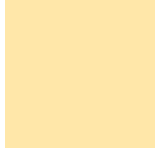
Protanomaly

74.0499, 82.3767, 26.7493



Deuteranomaly

75.8511, 82.1810, 39.0589



Tritanomaly

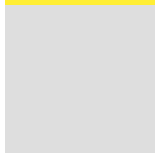
76.9773, 81.2764, 49.1669

Monochromacy



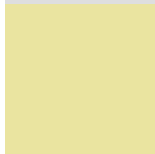
Original Color

72.4121, 82.6481, 15.2681



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

68.0203, 75.5173, 44.2490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4121, 82.6481, 15.2681 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, 238, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 51) }
```

Border

The CSS property to change the border of an element to XYZ 72.4121, 82.6481, 15.2681 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, 238, 51) }
```


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

```
.border{ border-color:rgb(255, 238, 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, 238, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4121, 82.6481, 15.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 51) }
```

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

```
.background{ background-color: rgb(255,  
238, 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](#).

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