

Converting Colors

XYZ(72.1230, 81.1532, 17.9978)

Have a look what the booklet for
XYZ(72.1230, 81.1532, 17.9978)
contains.

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Color

**XYZ(72.1180, 81.1445,
17.9923)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB48
RGB	255, 235, 72
RGB Percent	100%, 92%, 28%
CMY	0.0000, 0.0784, 0.7176
CMYK	0.00, 0.08, 0.72, 0.00
HSL	53°, 100%, 64%
HSV	53°, 72%, 100%
XYZ	72.1180, 81.1445, 17.9923
YIQ	222.3980, 64.2430, -46.4530

Conversions

Conversions Part 2

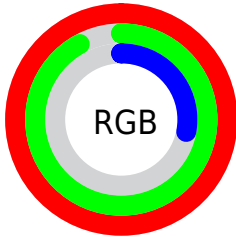
Format	Color
R _{YB}	94, 255, 72
Decimal	16771912
CIE Lab	92.20, -10.32, 76.79
CIE LCh	92, 77.485, 97.654
Yxy	81.1445, 0.4211, 0.4738
Android (android.graphics.Color)	4294961992 (0xFFFFE48)
YUV	222.3980, -74.1462, 28.5920
Hunter-Lab	90.0802, -14.7338, 51.2138

Details

The XYZ color **72.1180, 81.1445, 17.9923** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.5498, 16.2519, 96.4501**, and the grayscale version is **70.1912, 73.8466, 80.4190**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **38.5694, 44.1119, 6.4816** is the 20% darker color. If you saturate the color by 10%, you get **70.6617, 79.2988, 14.2193**, and if you desaturate by 10%, it is **73.9352, 83.1608, 23.5881**.

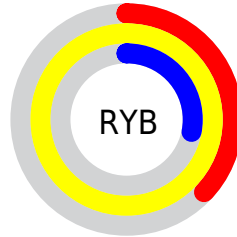
Distribution



Red (100%)

Green (92%)

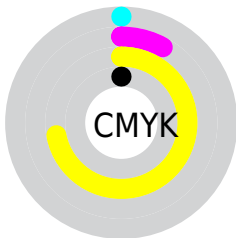
Blue (28%)



Red (37%)

Yellow (100%)

Blue (28%)

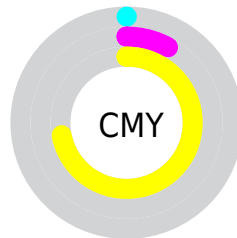


Cyan (0%)

Magenta (8%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1180, 81.1445, 17.9923 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 72.1180, 81.1445, 17.9923 by changing the saturation by 10% instead.


 72.1180, 81.1445,
17.9923


 72.1180, 81.1445,
17.9923


457.1035,
498.7816, 253.0623


 53.5409, 60.6606,
10.7751


 121.2342,
134.9736, 40.8380


 38.4639, 43.9513,
5.8035


 152.5039,
169.0877, 57.3035


 26.5218, 30.6322,
2.6591


 188.7353,
208.5139, 77.6889

 17.3491, 20.3190,
0.9228

 230.2936,
253.6367, 102.4126

 10.5806, 12.6271,
0.0000

 277.5442,
304.8405, 131.8933

 5.8508, 7.1723,
0.0000

330.8525,

 2.7943, 3.5701,

362.5096, 166.5494

0.0000

390.5838,
427.0285, 206.7996

■ 1.0460, 1.4361,
0.0000

■ 0.0000, 0.2431,
0.0000

■ 72.1180, 81.1445,
17.9923

■ 72.1180, 81.1445,
17.9923

■ 70.6617, 79.2988,
14.2193

■ 73.9352, 83.1608,
23.5881

■ 69.5149, 77.5936,
12.0230

■ 76.1459, 85.3515,
31.2019

■ 68.7471, 76.2746,
11.0991

■ 78.7849, 87.7336,
41.0091

■ 81.8818, 90.3192,
53.1649

■ 85.4633, 93.1189,
67.8103

■ 89.5543, 96.1429,
85.0753

■ 94.1777, 99.4004,
105.0808

■ 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.



92.6843, 81.1445, 20.6344



72.1180, 81.1445, 17.9923



55.9443, 81.1445, 26.7096

Triad

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



72.1180, 81.1445, 17.9923



50.5177, 81.1445, 174.1181



118.4247, 81.1445, 137.1707

Complementary

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



72.1180, 81.1445, 17.9923



24.5498, 16.2519, 96.4501

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.



103.0736, 81.1445, 207.3251



72.1180, 81.1445, 17.9923



63.4132, 81.1445, 234.3106

Square

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



72.1180, 81.1445, 17.9923



44.9548, 81.1445, 103.8416



82.3594, 81.1445, 248.5518



121.8437, 81.1445, 74.4858

Rectangle

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



72.1180, 81.1445, 17.9923



48.9935, 81.1445, 41.5681



82.3594, 81.1445, 248.5518



114.3748, 81.1445, 161.3192

Sweetspot

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



72.1199, 81.1483, 17.9939



85.3730, 93.0505, 67.4329



45.5490, 26.6919, 13.1899



18.0556, 19.7498, 13.5327



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.



72.1199, 81.1483, 17.9939



70.1413, 78.5603, 13.1120



56.9015, 82.2833, 19.0151



19.3817, 20.7317, 19.1244



35.9903, 39.9917, 5.8223



3.5507, 3.9867, 0.5824

Inverse Universe

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



24.5498, 16.2519, 96.4501



20.3652, 10.7858, 95.6162



31.5492, 17.6198, 96.3452



17.1627, 17.6971, 22.7613



9.6977, 4.3051, 49.7544



0.9939, 0.5185, 4.8610

Previews

White Background



This preview shows how the XYZ color 72.1180, 81.1445, 17.9923 looks on a white background.

Color Contrast Check

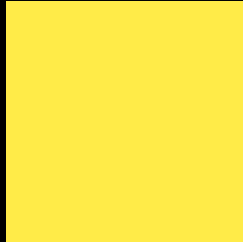
Large Text (above 18pt) WCAG AA × Fail

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 72.1180, 81.1445, 17.9923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

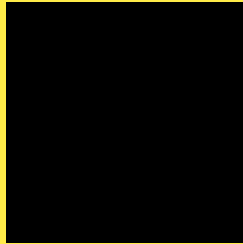
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1180, 81.1445, 17.9923

Background



This preview shows how black text looks on a background with the XYZ color 72.1180, 81.1445, 17.9923.



This preview shows how white text looks on a background with the XYZ color 72.1180, 81.1445,

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

72.1180, 81.1445, 17.9923

Protanopia

74.2752, 81.0963, 32.1605

Deuteranopia

79.1096, 81.2388, 63.1409



Tritanopia

83.1606, 81.1086, 89.8697

Trichromacy



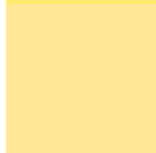
Original Color

72.1180, 81.1445, 17.9923



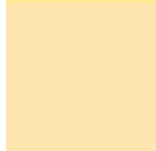
Protanomaly

73.3696, 81.1883, 25.9913



Deuteranomaly

75.3209, 80.6138, 40.4443



Tritanomaly

77.0958, 80.4332, 52.5361

Monochromacy



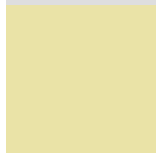
Original Color

72.1180, 81.1445, 17.9923



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

68.3758, 75.2206, 47.4745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1180, 81.1445, 17.9923 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, 235, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 72)  
}
```

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, 235, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 72) }
```

Border

The CSS property to change the border of an element to XYZ 72.1180, 81.1445, 17.9923 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, 235, 72) }
```


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

```
.border{ border-color:rgb(255, 235, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1180, 81.1445, 17.9923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 72) }
```

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

```
.background{ background-color: rgb(255,  
235, 72) }
```

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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