

Converting Colors

XYZ(24.0469, 17.0289, 73.6430)

Have a look what the booklet for
XYZ(24.0469, 17.0289, 73.6430)
contains.

XYZ(24.0947, 17.0449, 73.9716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.0947, 17.0449,
73.9716)**

Conversions

Conversions Part 1

Format	Color
Hex	6C60E2
RGB	108, 96, 226
RGB Percent	42%, 38%, 89%
CMY	0.5764, 0.6235, 0.1137
CMYK	0.52, 0.58, 0.00, 0.11
HSL	246°, 69%, 63%
HSV	246°, 58%, 89%
XYZ	24.0947, 17.0449, 73.9716
YIQ	114.4080, -34.5780, 42.9740

Conversions

Conversions Part 2

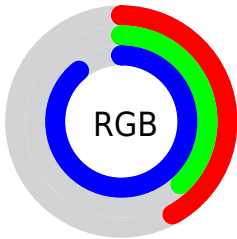
Format	Color
R _Y B	108, 96, 226
Decimal	7102690
CIE Lab	48.32, 39.22, -64.93
CIE LCh	48, 75.853, 301.133
Yxy	17.0449, 0.2093, 0.1481
Android (android.graphics.Color)	4285292770 (0xFF6C60E2)
YUV	114.4080, 55.0149, -5.6198
Hunter-Lab	41.2855, 31.9252, -77.3307

Details

The XYZ color **24.0947, 17.0449, 73.9716** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **57.0382, 69.5331, 21.4815**, and the grayscale version is **15.9647, 16.7961, 18.2910**.

A 20% lighter version of the original color is **44.4201, 36.3029, 99.2737**, and **9.3089, 5.5911, 38.6188** is the 20% darker color. If you saturate the color by 10%, you get **20.1131, 12.3590, 73.2774**, and if you desaturate by 10%, it is **29.2573, 23.2194, 74.8917**.

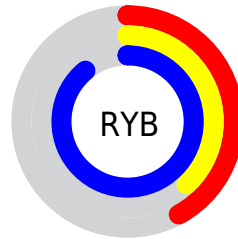
Distribution



Red (42%)

Green (38%)

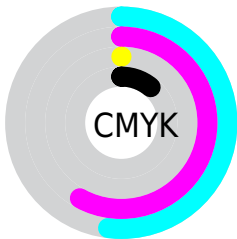
Blue (89%)



Red (42%)

Yellow (38%)

Blue (89%)

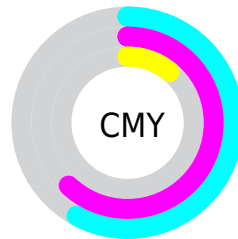


Cyan (52%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (58%)

Magenta (62%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0947, 17.0449, 73.9716 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 24.0947, 17.0449, 73.9716 by changing the saturation by 10% instead.

■ 24.0947, 17.0449,
73.9716

■ 24.0947, 17.0449,
73.9716

265.7305,
235.4310, 493.5361

■ 15.5290, 10.2665,
54.2741

■ 49.6382, 38.4030,
126.5892

■ 9.2802, 5.5760,
38.4262

■ 67.3468, 53.7514,
160.3465

■ 4.9830, 2.5890,
26.0093

■ 88.8337, 72.7253,
199.6274

■ 2.2719, 0.9212,
16.6047

■ 114.4643, 95.7092,
244.8505

■ 0.7802, 0.0000,
9.7941

144.6039,
123.0872, 296.4344

■ 0.0000, 0.0000,
5.1588

179.6179,

■ 0.0000, 0.0000,

155.2440, 354.7977

2.2804

219.8716,
192.5638, 420.3587

■ 0.0000, 0.0000,
0.7202

■ 0.0000, 0.0000,
0.0000

■ 24.0947, 17.0449,
73.9716

■ 24.0947, 17.0449,
73.9716

■ 20.1131, 12.3590,
73.2774

■ 29.2573, 23.2194,
74.8917

■ 17.2160, 9.0339,
72.7883

■ 35.6823, 30.9926,
76.0534

■ 15.2954, 6.9228,
72.4820

■ 43.4468, 40.4662,
77.4728

■ 14.2131, 5.8316,
72.3284

■ 52.6207, 51.7327,
79.1639

■ 14.0341, 5.6490,
72.3026

■ 63.2695, 64.8781,
81.1400

■ 75.4542, 79.9829,
83.4133

■ 89.2324, 97.1228,
85.9954

■ 90.7275, 98.2710,
86.1383

Harmonies

Analogous

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



16.4650, 17.0449, 88.6146



24.0947, 17.0449, 73.9716



30.8599, 17.0449, 43.6860

Triad

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



24.0947, 17.0449, 73.9716



23.5062, 17.0449, 1.1964



6.2106, 17.0449, 19.3223

Complementary

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



24.0947, 17.0449, 73.9716



57.0382, 69.5331, 21.4815

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.



7.1225, 17.0449, 5.5759



24.0947, 17.0449, 73.9716



15.9391, 17.0449, 0.5220

Square

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



24.0947, 17.0449, 73.9716



30.4576, 17.0449, 5.0111



10.2519, 17.0449, 1.3215



7.2756, 17.0449, 46.0349

Rectangle

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



24.0947, 17.0449, 73.9716



33.2122, 17.0449, 25.0702



10.2519, 17.0449, 1.3215



6.2934, 17.0449, 13.2857

Sweetspot

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



24.0955, 17.0454, 73.9720



69.7226, 68.6783, 104.1892



42.8946, 56.6640, 80.6284



14.3650, 14.0125, 22.1975



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.



24.0955, 17.0454, 73.9720



25.5999, 15.2681, 96.2055



34.8874, 22.6088, 74.4771



13.0688, 13.3035, 17.2667



8.0495, 3.2450, 41.2504



0.5988, 0.2460, 2.8612

Inverse Universe

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



47.6842, 29.3896, 66.7751



59.5830, 33.0765, 84.7135



41.9164, 61.7375, 20.7738



14.2376, 13.9127, 17.0213



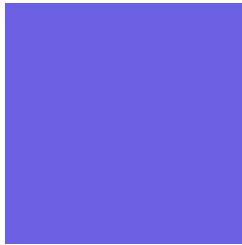
24.2123, 11.7519, 34.1134



1.6944, 0.8210, 2.4497

Previews

White Background



This preview shows how the XYZ color 24.0947, 17.0449, 73.9716 looks on a white background.

Color Contrast Check

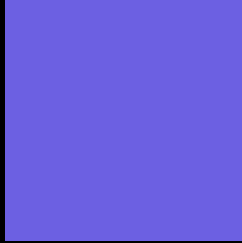
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.0947, 17.0449, 73.9716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

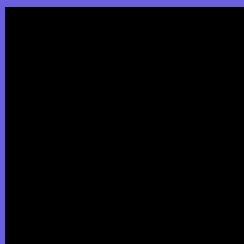
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0947, 17.0449, 73.9716

Background



This preview shows how black text looks on a background with the XYZ color 24.0947, 17.0449, 73.9716.



This preview shows how white text looks on a background with the XYZ color 24.0947, 17.0449,

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

24.0947, 17.0449, 73.9716

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

17.2604, 17.0822, 59.5142



Tritanopia

13.9947, 16.8912, 23.9955

Trichromacy



Original Color

24.0947, 17.0449, 73.9716



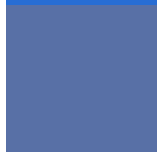
Protanomaly

20.3121, 16.3040, 77.6777



Deuteranomaly

18.1890, 16.1221, 64.4406



Tritanomaly

16.7016, 16.4162, 38.3648

Monochromacy



Original Color

24.0947, 17.0449, 73.9716



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

17.8562, 16.3267, 33.2206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0947, 17.0449, 73.9716 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(108, 96, 226)` looks like.

```
.text, #text, p{  
    color:rgb(108, 96, 226)  
}
```

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(108, 96, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 96, 226) }
```

Border

The CSS property to change the border of an element to XYZ 24.0947, 17.0449, 73.9716 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(108, 96, 226) }
```


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

```
.border{ border-color:rgb(108, 96, 226) }
```

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

Here you see how a box with a 4 pixel rgb(108, 96, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 96, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 96, 226);  
box-shadow:4px 4px 4px 4px rgb(108, 96,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0947, 17.0449, 73.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 96, 226) }
```

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

```
.background{ background-color: rgb(108, 96,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor