

Converting Colors

XYZ(17.0122, 23.3727, 30.4245)

Have a look what the booklet for
XYZ(17.0122, 23.3727, 30.4245)
contains.

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Color

**XYZ(17.0771, 23.4720,
30.4185)**

Conversions

Conversions Part 1

Format	Color
Hex	399291
RGB	57, 146, 145
RGB Percent	22%, 57%, 57%
CMY	0.7765, 0.4274, 0.4314
CMYK	0.61, 0.00, 0.01, 0.43
HSL	179°, 44%, 40%
HSV	179°, 61%, 57%
XYZ	17.0771, 23.4720, 30.4185
YIQ	119.2750, -52.7230, -19.1790

Conversions

Conversions Part 2

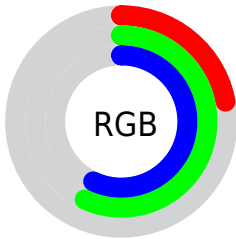
Format	Color
RYB	57, 102, 146
Decimal	3773073
CIELab	55.56, -26.29, -7.37
CIELCh	56, 27.304, 195.667
Yxy	23.4720, 0.2406, 0.3307
Android (android.graphics.Color)	4281963153 (0xFF399291)
YUV	119.2750, 12.6824, -54.6152
Hunter-Lab	48.4479, -21.8655, -3.3123




Details

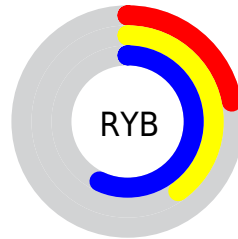
The XYZ color **17.0771, 23.4720, 30.4185** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0818, 9.3435, 5.0652**, and the grayscale version is **17.5955, 18.5118, 20.1594**.




A 20% lighter version of the original color is **37.9025, 49.0095, 61.4949**, and **6.1578, 9.0106, 12.2412** is the 20% darker color. If you saturate the color by 10%, you get **16.3490, 23.0986, 30.3189**, and if you desaturate by 10%, it is **18.0460, 23.9706, 30.5306**.

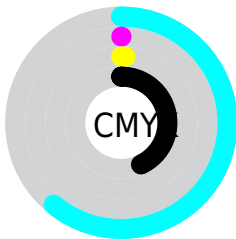
Distribution







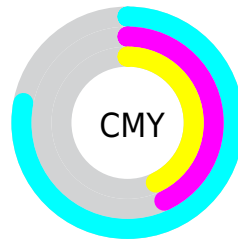
-  Red (22%)
-  Green (57%)
-  Blue (57%)






-  Red (22%)
-  Yellow (40%)
-  Blue (57%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (43%)



-  Cyan (78%)
-  Magenta (43%)
-  Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0771, 23.4720, 30.4185 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 17.0771, 23.4720, 30.4185 by changing the saturation by 10% instead.

■ 17.0771, 23.4720,
30.4185

■ 17.0771, 23.4720,
30.4185

228.7639,
270.1401, 318.1182

■ 10.3851, 14.9424,
19.9017

■ 38.0008, 49.1672,
61.3922

■ 5.7193, 8.7790,
12.1403

■ 52.9633, 67.1016,
82.6862

■ 2.7142, 4.5973,
6.7156

■ 71.4133, 88.9397,
108.4097

■ 1.0045, 2.0130,
3.2091

■ 93.7162, 115.0660,
138.9811

■ 0.0000, 0.6150,
1.2024

■ 120.2374,
145.8647, 174.8192

■ 0.0000, 0.0000,
0.0000

151.3421,

181.7204, 216.3424

187.3958,
223.0174, 263.9692

■ 17.0771, 23.4720,
30.4185

■ 17.0771, 23.4720,
30.4185

■ 16.3490, 23.0986,
30.3189

■ 18.0460, 23.9706,
30.5306

■ 15.8384, 22.8369,
30.2290

■ 19.2723, 24.6012,
30.6542

■ 15.5212, 22.6748,
30.1482

■ 20.7734, 25.3736,
30.7909

■ 15.3408, 22.5832,
30.0802

■ 22.5648, 26.2957,
30.9412

■ 24.6607, 27.3747,
31.1058

■ 27.0744, 28.6175,
31.2855

■ 29.8185, 30.0306,
31.4807

■ 32.9048, 31.6202,
31.6920

■ 36.3445, 33.3920,
31.9199

Harmonies

Analogous

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



17.0473, 23.4720, 21.5822



17.0771, 23.4720, 30.4185



18.4198, 23.4720, 39.7171

Triad

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



17.0771, 23.4720, 30.4185



26.8214, 23.4720, 39.3436



23.8086, 23.4720, 12.3900

Complementary

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



17.0771, 23.4720, 30.4185



14.0818, 9.3435, 5.0652

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.



26.7114, 23.4720, 15.2397



17.0771, 23.4720, 30.4185



28.5563, 23.4720, 29.9921

Square

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



17.0771, 23.4720, 30.4185



23.9479, 23.4720, 45.6239



28.5143, 23.4720, 21.2432



20.7474, 23.4720, 12.4532

Rectangle

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



17.0771, 23.4720, 30.4185



19.9561, 23.4720, 44.3454



28.5143, 23.4720, 21.2432



24.8409, 23.4720, 13.0042

Sweetspot

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



17.0778, 23.4729, 30.4191



40.7111, 46.8531, 54.6546



12.7914, 21.7682, 7.3991



8.8523, 10.3178, 12.1420



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.0778, 23.4729, 30.4191



28.4815, 40.5630, 53.4261



11.7251, 12.6433, 29.0176



5.9613, 6.5611, 7.4073



13.5001, 19.8728, 26.4729



0.1660, 0.2435, 0.3279

Inverse Universe

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



14.0818, 9.3435, 5.0652



22.7247, 13.3961, 4.6961



17.1523, 15.5250, 5.9642



5.8033, 5.8164, 6.0703



10.4402, 5.3811, 0.5329



0.1283, 0.0661, 0.0093

Previews

White Background



This preview shows how the XYZ color 17.0771, 23.4720, 30.4185 looks on a white 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

Black Background



This preview shows how the XYZ color 17.0771, 23.4720, 30.4185 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 × Fail

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

XYZ 17.0771, 23.4720, 30.4185

Background



This preview shows how black text looks on a background with the XYZ color 17.0771, 23.4720, 30.4185.



This preview shows how white text looks on a background with the XYZ color 17.0771, 23.4720,

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

17.0771, 23.4720, 30.4185

Protanopia

22.3681, 23.2666, 26.6045

Deuteranopia

23.5916, 23.1888, 31.6662



Tritanopia

17.9606, 23.3710, 35.0169

Trichromacy



Original Color

17.0771, 23.4720, 30.4185

Protanomaly

19.4316, 22.7587, 27.7948

Deuteranomaly

20.1936, 22.6542, 31.3254

Tritanomaly

17.6564, 23.4785, 33.3070

Monochromacy



Original Color

17.0771, 23.4720, 30.4185

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5704, 19.7458, 23.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0771, 23.4720, 30.4185 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(57, 146, 145)` looks like.

```
.text, #text, p{  
    color:rgb(57, 146, 145)  
}
```

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(57, 146, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 146, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.0771, 23.4720, 30.4185 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(57, 146, 145) }
```


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

```
.border{ border-color:rgb(57, 146, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 146, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 146, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 146, 145);  
box-shadow:4px 4px 4px 4px rgb(57, 146,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0771, 23.4720, 30.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 146, 145) }
```

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

```
.background{ background-color: rgb(57, 146,  
145) }
```

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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