

Converting Colors

XYZ(17.7751, 18.3110, 42.2322)

Have a look what the booklet for
XYZ(17.7751, 18.3110, 42.2322)
contains.

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Color

**XYZ(17.7390, 18.2439,
42.1216)**

Conversions

Conversions Part 1

Format	Color
Hex	5278AD
RGB	82, 120, 173
RGB Percent	32%, 47%, 68%
CMY	0.6784, 0.5294, 0.3216
CMYK	0.53, 0.31, 0.00, 0.32
HSL	215°, 36%, 50%
HSV	215°, 53%, 68%
XYZ	17.7390, 18.2439, 42.1216
YIQ	114.6800, -39.6610, 8.4270

Conversions

Conversions Part 2

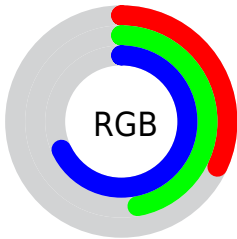
Format	Color
R _Y B	82, 109, 173
Decimal	5404845
CIE Lab	49.79, 2.16, -32.30
CIE LCh	50, 32.369, 273.821
Yxy	18.2439, 0.2271, 0.2336
Android (android.graphics.Color)	4283594925 (0xFF5278AD)
YUV	114.6800, 28.7518, -28.6604
Hunter-Lab	42.7129, -0.6151, -28.5702

Details

The XYZ color **17.7390, 18.2439, 42.1216** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.4214, 26.8226, 11.7156**, and the grayscale version is **16.1240, 16.9637, 18.4735**.

A 20% lighter version of the original color is **39.2119, 40.4806, 79.8756**, and **6.0168, 6.1502, 18.6393** is the 20% darker color. If you saturate the color by 10%, you get **15.2713, 15.2667, 41.6774**, and if you desaturate by 10%, it is **20.7148, 21.6730, 42.6270**.

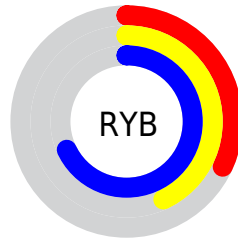
Distribution



Red (32%)

Green (47%)

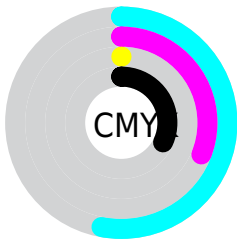
Blue (68%)



Red (32%)

Yellow (43%)

Blue (68%)

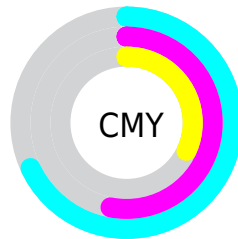


Cyan (53%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (68%)

Magenta (53%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7390, 18.2439, 42.1216 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 17.7390, 18.2439, 42.1216 by changing the saturation by 10% instead.

■ 17.7390, 18.2439,
42.1216

■ 17.7390, 18.2439,
42.1216

232.4699,
242.2422, 370.8013

■ 10.8613, 11.1252,
28.8702

■ 39.1257, 40.4525,
79.6557

■ 6.0403, 6.1511,
18.7379

■ 54.3654, 56.3112,
104.7755

■ 2.9105, 2.9372,
11.3062

■ 73.1231, 75.8521,
134.6886

■ 1.1066, 1.0990,
6.1564

■ 95.7642, 99.4594,
169.8134

■ 0.0306, 0.0000,
2.8701

■ 122.6541,
127.5178, 210.5686

■ 0.0000, 0.0000,
1.0287

154.1581,

■ 0.0000, 0.0000,

160.4114, 257.3726

0.0000

190.6416,
198.5247, 310.6440

■ 17.7390, 18.2439,
42.1216

■ 17.7390, 18.2439,
42.1216

■ 15.2713, 15.2667,
41.6774

■ 20.7148, 21.6730,
42.6270

■ 13.2767, 12.7166,
41.2903

■ 24.2266, 25.5729,
43.1947

■ 11.7184, 10.5689,
40.9578

■ 28.3024, 29.9639,
43.8274

■ 10.5525, 8.7943,
40.6768

■ 32.9674, 34.8640,
44.5273

■ 9.8758, 7.6829,
40.4979

■ 38.2456, 40.2906,
45.2966

■ 44.1593, 46.2598,
46.1371

■ 50.7296, 52.7874,
47.0507

■ 57.9769, 59.8881,
48.0393

■ 65.9205, 67.5764,
49.1046

Harmonies

Analogous

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



14.8504, 18.2439, 39.3672



17.7390, 18.2439, 42.1216



20.8597, 18.2439, 37.6061

Triad

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



17.7390, 18.2439, 42.1216



22.7558, 18.2439, 11.8231



12.5388, 18.2439, 13.2670

Complementary

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



17.7390, 18.2439, 42.1216



27.4214, 26.8226, 11.7156

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.



14.2408, 18.2439, 8.8214



17.7390, 18.2439, 42.1216



20.0940, 18.2439, 8.1780

Square

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



17.7390, 18.2439, 42.1216



23.9652, 18.2439, 18.7527



16.9476, 18.2439, 7.2695



12.0648, 18.2439, 21.0195

Rectangle

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



17.7390, 18.2439, 42.1216



22.5883, 18.2439, 31.6888



16.9476, 18.2439, 7.2695



12.9755, 18.2439, 11.4221

Sweetspot

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



17.7397, 18.2446, 42.1220



55.8418, 59.1009, 79.2702



22.6969, 33.3907, 27.6458



11.7750, 12.4654, 17.1731



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.7397, 18.2446, 42.1220



26.7606, 26.6078, 74.5311



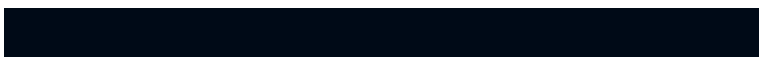
14.5918, 11.1307, 40.9148



7.8434, 8.2862, 10.1387



7.3091, 5.7520, 29.7695



0.2582, 0.2697, 0.8464

Inverse Universe

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



23.6416, 16.2757, 19.6653



38.8470, 24.0569, 28.2109



32.3893, 38.7050, 13.7473



8.1388, 8.0688, 9.0415



13.5529, 6.8837, 5.2911



0.4047, 0.2026, 0.2930

Previews

White Background



This preview shows how the XYZ color 17.7390, 18.2439, 42.1216 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 17.7390, 18.2439, 42.1216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

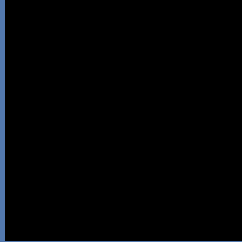
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7390, 18.2439, 42.1216

Background



This preview shows how black text looks on a background with the XYZ color 17.7390, 18.2439, 42.1216.

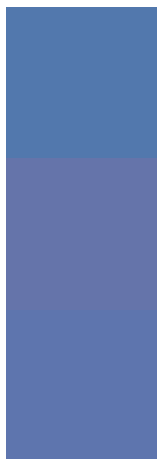


This preview shows how white text looks on a background with the XYZ color 17.7390, 18.2439,

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

17.7390, 18.2439, 42.1216

Protanopia

18.8679, 18.1598, 40.5409

Deuteranopia

18.6174, 18.1583, 42.5681



Tritanopia

14.6305, 18.2870, 26.4255

Trichromacy



Original Color

17.7390, 18.2439, 42.1216

Protanomaly

18.3281, 18.0425, 41.0446

Deuteranomaly

18.3349, 18.1865, 42.5884

Tritanomaly

15.5367, 18.0732, 31.5238

Monochromacy



Original Color

17.7390, 18.2439, 42.1216

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3987, 17.3837, 25.7836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7390, 18.2439, 42.1216 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(82, 120, 173)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 173)  
}
```

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(82, 120, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 173) }
```

Border

The CSS property to change the border of an element to XYZ 17.7390, 18.2439, 42.1216 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(82, 120, 173) }
```


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

```
.border{ border-color:rgb(82, 120, 173) }
```

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

Here you see how a box with a 4 pixel rgb(82, 120, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 173);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7390, 18.2439, 42.1216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 173) }
```

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

```
.background{ background-color: rgb(82, 120,  
173) }
```

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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