

Converting Colors

XYZ(17.4423, 22.3494, 41.1659)

Have a look what the booklet for
XYZ(17.4423, 22.3494, 41.1659)
contains.

XYZ(17.3794, 22.2717, 40.9190)	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(17.3794, 22.2717,
40.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	238DA9
RGB	35, 141, 169
RGB Percent	14%, 55%, 66%
CMY	0.8627, 0.4470, 0.3373
CMYK	0.79, 0.17, 0.00, 0.34
HSL	193°, 66%, 40%
HSV	193°, 79%, 66%
XYZ	17.3794, 22.2717, 40.9190
YIQ	112.4980, -72.1640, -13.7640

Conversions

Conversions Part 2

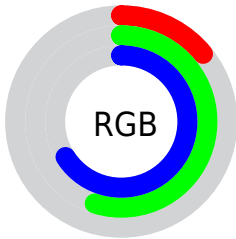
Format	Color
RYB	35, 94, 169
Decimal	2330025
CIELab	54.31, -19.28, -23.10
CIELCh	54, 30.090, 230.140
Yxy	22.2717, 0.2157, 0.2764
Android (android.graphics.Color)	4280520105 (0xFF238DA9)
YUV	112.4980, 27.8555, -67.9657
Hunter-Lab	47.1929, -16.8526, -18.3729

Details

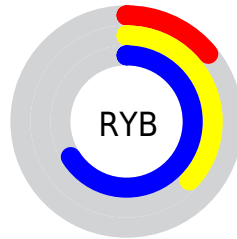
The XYZ color **17.3794, 22.2717, 40.9190** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.4438, 12.1123, 2.9566**, and the grayscale version is **15.4843, 16.2907, 17.7405**.

A 20% lighter version of the original color is **38.5632, 47.2956, 77.6175**, and **6.9520, 8.7665, 18.1553** is the 20% darker color. If you saturate the color by 10%, you get **16.4257, 21.0197, 40.7280**, and if you desaturate by 10%, it is **18.6273, 23.7008, 41.1295**.

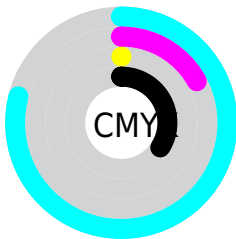
Distribution



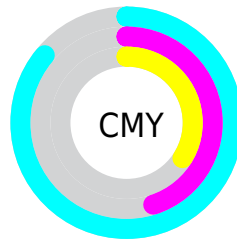
- Red (14%)
- Green (55%)
- Blue (66%)



- Red (14%)
- Yellow (37%)
- Blue (66%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)



- Cyan (86%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3794, 22.2717, 40.9190 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 17.3794, 22.2717, 40.9190 by changing the saturation by 10% instead.

■ 17.3794, 22.2717,
40.9190

■ 17.3794, 22.2717,
40.9190

■ 230.4632,
263.9619, 365.6486

■ 10.6023, 14.0567,
27.9366

■ 38.5154, 47.1946,
77.8133

■ 5.8654, 8.1601,
18.0392

■ 53.6050, 64.6714,
102.5622

■ 2.8033, 4.1976,
10.8084

■ 72.1962, 86.0041,
132.0703

■ 1.0506, 1.7847,
5.8256

■ 94.6544, 111.5772,
166.7562

■ 0.0000, 0.4776,
2.6723

■ 121.3448,
141.7752, 207.0385

■ 0.0000, 0.0000,
0.9294

■ 152.6328,

■ 0.0000, 0.0000,

176.9824, 253.3356

0.0000

188.8838,
217.5831, 306.0661

■ 17.3794, 22.2717,
40.9190

■ 17.3794, 22.2717,
40.9190

■ 16.4257, 21.0197,
40.7280

■ 18.6273, 23.7008,
41.1295

■ 15.6934, 19.9059,
40.5516

■ 20.2023, 25.3230,
41.3596

■ 15.6434, 19.8284,
40.5393

■ 22.1353, 27.1549,
41.6113

■ 24.4529, 29.2103,
41.8859

■ 27.1789, 31.5018,
42.1845

■ 30.3353, 34.0410,
42.5083

■ 33.9425, 36.8385,
42.8581

■ 38.0194, 39.9042,
43.2350

■ 42.5840, 43.2478,
43.6398

Harmonies

Analogous

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



15.7839, 22.2717, 31.0137



17.3794, 22.2717, 40.9190



20.1072, 22.2717, 46.7448

Triad

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



17.3794, 22.2717, 40.9190



28.0077, 22.2717, 27.4754



19.0711, 22.2717, 10.9411

Complementary

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



17.3794, 22.2717, 40.9190



18.4438, 12.1123, 2.9566

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.



22.2667, 22.2717, 10.4558



17.3794, 22.2717, 40.9190



27.6568, 22.2717, 18.5491

Square

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



17.3794, 22.2717, 40.9190



26.3865, 22.2717, 37.7613



25.4720, 22.2717, 12.8626



16.6884, 22.2717, 14.4207

Rectangle

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



17.3794, 22.2717, 40.9190



22.2981, 22.2717, 46.7210



25.4720, 22.2717, 12.8626



20.0779, 22.2717, 10.4646

Sweetspot

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



17.3801, 22.2725, 40.9195



51.3216, 58.5689, 75.8251



15.7458, 29.0794, 9.3127



10.7760, 12.4332, 16.4840



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.3801, 22.2725, 40.9195



28.4430, 36.1606, 72.7057



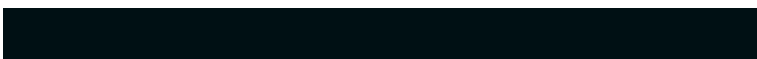
10.3850, 8.2822, 38.5878



7.6125, 8.2619, 9.6118



11.6981, 14.8564, 30.2265



0.3172, 0.4266, 0.7463

Inverse Universe

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



21.7715, 11.5608, 26.2842



37.2365, 18.4706, 42.5562



24.4902, 24.2052, 4.9720



7.7738, 7.6394, 9.1258



15.4053, 7.5708, 17.4776



0.3913, 0.1908, 0.5118

Previews

White Background



This preview shows how the XYZ color 17.3794, 22.2717, 40.9190 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 17.3794, 22.2717, 40.9190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

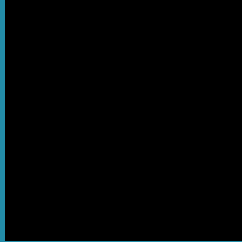
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3794, 22.2717, 40.9190

Background



This preview shows how black text looks on a background with the XYZ color 17.3794, 22.2717, 40.9190.

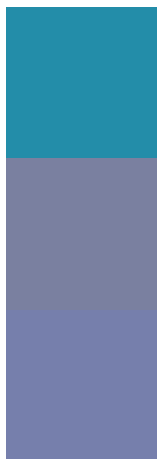


This preview shows how white text looks on a background with the XYZ color 17.3794, 22.2717,

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

17.3794, 22.2717, 40.9190

Protanopia

22.0904, 22.1140, 36.3618

Deuteranopia

22.5070, 22.0089, 42.0916



Tritanopia

15.9700, 22.1306, 34.4403

Trichromacy



Original Color

17.3794, 22.2717, 40.9190

Protanomaly

19.2148, 21.5931, 37.8055

Deuteranomaly

19.6265, 21.5175, 41.6469

Tritanomaly

16.3949, 22.0783, 36.6551

Monochromacy



Original Color

17.3794, 22.2717, 40.9190

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.0629, 17.7907, 24.8303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3794, 22.2717, 40.9190 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(35, 141, 169)` looks like.

```
.text, #text, p{  
    color:rgb(35, 141, 169)  
}
```

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(35, 141, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 141, 169) }
```

Border

The CSS property to change the border of an element to XYZ 17.3794, 22.2717, 40.9190 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(35, 141, 169) }
```


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

```
.border{ border-color:rgb(35, 141, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 141, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 141, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 141, 169);  
box-shadow:4px 4px 4px 4px rgb(35, 141,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3794, 22.2717, 40.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 141, 169) }
```

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

```
.background{ background-color: rgb(35, 141,  
169) }
```

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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