

Converting Colors

XYZ(17.2518, 22.0307, 38.9404)

Have a look what the booklet for
XYZ(17.2518, 22.0307, 38.9404)
contains.

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Color

**XYZ(17.2518, 22.0307,
38.9404)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8CA5
RGB	45, 140, 165
RGB Percent	18%, 55%, 65%
CMY	0.8235, 0.4510, 0.3529
CMYK	0.73, 0.15, 0.00, 0.35
HSL	193°, 57%, 41%
HSV	193°, 73%, 65%
XYZ	17.2518, 22.0307, 38.9404
YIQ	114.4450, -64.6450, -12.3650

Conversions

Conversions Part 2

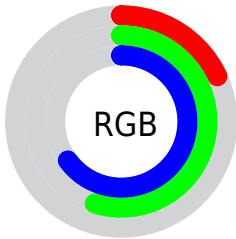
Format	Color
R_{YB}	45, 98, 165
Decimal	2985125
CIE _{Lab}	54.06, -18.88, -21.17
CIE _{LCh}	54, 28.369, 228.268
Yxy	22.0307, 0.2205, 0.2816
Android (android.graphics.Color)	4281175205 (0xFF2D8CA5)
YUV	114.4450, 24.9236, -60.9033
Hunter-Lab	46.9369, -16.5313, -16.3332

Details

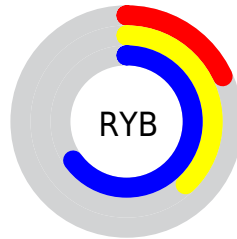
The XYZ color **17.2518, 22.0307, 38.9404** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.1816, 12.5700, 3.9513**, and the grayscale version is **16.0701, 16.9070, 18.4118**.

A 20% lighter version of the original color is **38.3944, 46.9390, 74.7467**, and **6.6368, 8.5046, 16.9145** is the 20% darker color. If you saturate the color by 10%, you get **16.1684, 20.7385, 38.7485**, and if you desaturate by 10%, it is **18.6361, 23.5021, 39.1519**.

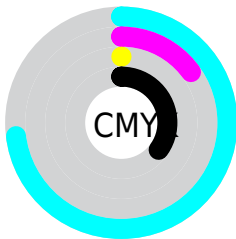
Distribution



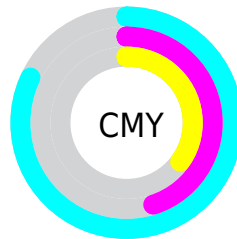
- Red (18%)
- Green (55%)
- Blue (65%)



- Red (18%)
- Yellow (38%)
- Blue (65%)



- Cyan (73%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2518, 22.0307, 38.9404 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 17.2518, 22.0307, 38.9404 by changing the saturation by 10% instead.

■ 17.2518, 22.0307,
38.9404

■ 17.2518, 22.0307,
38.9404

229.7473,
262.7066, 357.0554

■ 10.5106, 13.8795,
26.4059

■ 38.2984, 46.7967,
74.7666

■ 5.8036, 8.0369,
16.8991

■ 53.3344, 64.1803,
98.8954

■ 2.7656, 4.1186,
10.0013

■ 71.8662, 85.4101,
127.7260

■ 1.0310, 1.7401,
5.2942

■ 94.2589, 110.8706,
161.6770

■ 0.0000, 0.4494,
2.3592

■ 120.8781,
140.9460, 201.1668

■ 0.0000, 0.0000,
0.7641

152.0890,

■ 0.0000, 0.0000,

176.0209, 246.6142

0.0000

188.2569,
216.4796, 298.4375

■ 17.2518, 22.0307,
38.9404

■ 17.2518, 22.0307,
38.9404

■ 16.1684, 20.7385,
38.7485

■ 18.6361, 23.5021,
39.1519

■ 15.3483, 19.6047,
38.5729

■ 20.3488, 25.1659,
39.3828

■ 14.8577, 18.8488,
38.4528

■ 22.4166, 27.0365,
39.6348

■ 24.8629, 29.1262,
39.9092

■ 27.7089, 31.4460,
40.2070

■ 30.9744, 34.0063,
40.5291

■ 34.6777, 36.8168,
40.8764

■ 38.8359, 39.8866,
41.2497

■ 43.4653, 43.2241,
41.6500

Harmonies

Analogous

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



15.8206, 22.0307, 29.6853



17.2518, 22.0307, 38.9404



19.7624, 22.0307, 44.6329

Triad

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



17.2518, 22.0307, 38.9404



27.2655, 22.0307, 27.5909



19.1436, 22.0307, 11.2516

Complementary

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



17.2518, 22.0307, 38.9404



18.1816, 12.5700, 3.9513

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.



22.1625, 22.0307, 10.9531



17.2518, 22.0307, 38.9404



27.0583, 22.0307, 19.0702

Square

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



17.2518, 22.0307, 38.9404



25.6596, 22.0307, 37.0883



25.1185, 22.0307, 13.4563



16.8370, 22.0307, 14.4046

Rectangle

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



17.2518, 22.0307, 38.9404



21.7997, 22.0307, 44.9018



25.1185, 22.0307, 13.4563



20.1023, 22.0307, 10.8483

Sweetspot

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



17.2525, 22.0315, 38.9409



49.7995, 56.4568, 72.0249



15.6122, 27.8984, 10.1933



10.5875, 12.1023, 15.7155



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.2525, 22.0315, 38.9409



28.0411, 35.9165, 69.2070



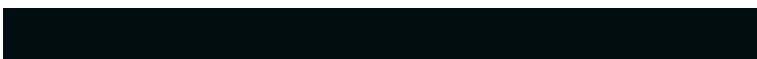
10.8170, 9.1604, 36.7958



7.1503, 7.7595, 9.0239



11.2764, 14.3323, 29.1019



0.2668, 0.3608, 0.6214

Inverse Universe

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



21.1897, 11.7703, 25.9668



35.9764, 18.2594, 42.3796



23.8417, 23.8902, 5.8380



7.3008, 7.1768, 8.5705



14.8373, 7.2910, 16.8657



0.3268, 0.1592, 0.4337

Previews

White Background



This preview shows how the XYZ color 17.2518, 22.0307, 38.9404 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 17.2518, 22.0307, 38.9404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

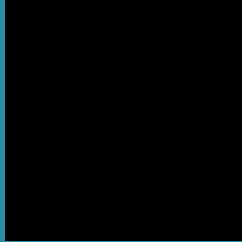
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2518, 22.0307, 38.9404

Background



This preview shows how black text looks on a background with the XYZ color 17.2518, 22.0307, 38.9404.

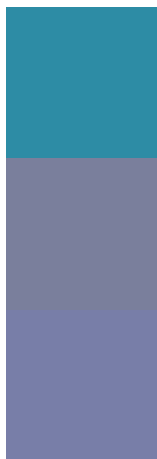


This preview shows how white text looks on a background with the XYZ color 17.2518, 22.0307,

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

17.2518, 22.0307, 38.9404

Protanopia

21.6162, 21.7166, 34.5049

Deuteranopia

22.2745, 21.7419, 40.0684



Tritanopia

16.1503, 22.0210, 33.5363

Trichromacy



Original Color

17.2518, 22.0307, 38.9404

Protanomaly

19.1254, 21.3854, 35.9207

Deuteranomaly

19.6056, 21.3498, 39.6468

Tritanomaly

16.4474, 21.9154, 35.2615

Monochromacy



Original Color

17.2518, 22.0307, 38.9404

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4364, 17.9832, 24.8478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2518, 22.0307, 38.9404 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(45, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(45, 140, 165)  
}
```

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(45, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 17.2518, 22.0307, 38.9404 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(45, 140, 165) }
```


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

```
.border{ border-color:rgb(45, 140, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(45, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2518, 22.0307, 38.9404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 140, 165) }
```

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

```
.background{ background-color: rgb(45, 140,  
165) }
```

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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