

Converting Colors

XYZ(18.0032, 25.3800, 35.5613)

Have a look what the booklet for
XYZ(18.0032, 25.3800, 35.5613)
contains.

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Color

**XYZ(18.0517, 25.5228,
35.4275)**

Conversions

Conversions Part 1

Format	Color
Hex	22999C
RGB	34, 153, 156
RGB Percent	13%, 60%, 61%
CMY	0.8666, 0.4000, 0.3882
CMYK	0.78, 0.02, 0.00, 0.39
HSL	181°, 64%, 37%
HSV	181°, 78%, 61%
XYZ	18.0517, 25.5228, 35.4275
YIQ	117.7610, -71.8870, -24.2950

Conversions

Conversions Part 2

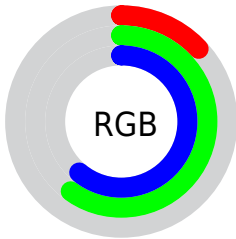
Format	Color
R _Y B	34, 94, 156
Decimal	2267548
CIE Lab	57.58, -29.75, -10.70
CIE LCh	58, 31.618, 199.771
Yxy	25.5228, 0.2285, 0.3231
Android (android.graphics.Color)	4280457628 (0xFF22999C)
YUV	117.7610, 18.8518, -73.4584
Hunter-Lab	50.5201, -24.6290, -6.2134

Details

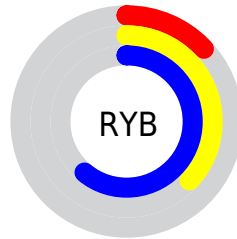
The XYZ color **18.0517, 25.5228, 35.4275** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6613, 8.5074, 2.3836**, and the grayscale version is **17.1056, 17.9964, 19.5980**.

A 20% lighter version of the original color is **39.6682, 52.5897, 69.0329**, and **7.2035, 10.3273, 14.9783** is the 20% darker color. If you saturate the color by 10%, you get **17.5870, 25.1907, 35.3884**, and if you desaturate by 10%, it is **18.7516, 25.9775, 35.4788**.

Distribution



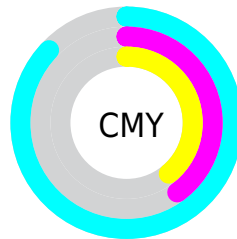
- Red (13%)
- Green (60%)
- Blue (61%)



- Red (13%)
- Yellow (37%)
- Blue (61%)



- Cyan (78%)
- Magenta (2%)
- Yellow (0%)
- Black (39%)



- Cyan (87%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0517, 25.5228, 35.4275 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 18.0517, 25.5228, 35.4275 by changing the saturation by 10% instead.

■ 18.0517, 25.5228,
35.4275

■ 18.0517, 25.5228,
35.4275

■ 234.2022,
280.4316, 341.4127

■ 11.0870, 16.4670,
23.7062

■ 39.6548, 52.5041,
69.3066

■ 6.1931, 9.8552,
14.9056

■ 55.0239, 71.1984,
92.3014

■ 3.0046, 5.3031,
8.6073

■ 73.9252, 93.8743,
119.8912

■ 1.1562, 2.4262,
4.3926

■ 96.7241, 120.9161,
152.4944

■ 0.0714, 0.8393,
1.8431

■ 123.7859,
152.7084, 190.5296

■ 0.0000, 0.0000,
0.4562

■ 155.4759,

■ 0.0000, 0.0000,

189.6355, 234.4154

0.0000

192.1596,
232.0818, 284.5702

■ 18.0517, 25.5228,
35.4275

■ 18.0517, 25.5228,
35.4275

■ 17.5870, 25.1907,
35.3884

■ 18.7516, 25.9775,
35.4788

■ 17.3025, 24.9513,
35.3572

■ 19.7124, 26.5664,
35.5419

■ 17.2560, 24.9107,
35.3518

■ 20.9589, 27.3030,
35.6184

■ 22.5125, 28.1981,
35.7093

■ 24.3924, 29.2618,
35.8155

■ 26.6166, 30.5033,
35.9379

■ 29.2013, 31.9309,
36.0772

■ 32.1620, 33.5526,
36.2342

■ 35.5132, 35.3760,
36.4095

Harmonies

Analogous

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



17.7964, 25.5228, 24.2610



18.0517, 25.5228, 35.4275



19.8682, 25.5228, 46.8632

Triad

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



18.0517, 25.5228, 35.4275



30.2300, 25.5228, 43.4854



25.5700, 25.5228, 11.9473

Complementary

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



18.0517, 25.5228, 35.4275



14.6613, 8.5074, 2.3836

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.



29.2525, 25.5228, 14.7536



18.0517, 25.5228, 35.4275



32.1218, 25.5228, 31.6456

Square

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



18.0517, 25.5228, 35.4275



26.7964, 25.5228, 52.2877



31.7466, 25.5228, 21.3375



21.8864, 25.5228, 12.4641

Rectangle

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



18.0517, 25.5228, 35.4275



21.8355, 25.5228, 52.2011



31.7466, 25.5228, 21.3375



26.8548, 25.5228, 12.4975

Sweetspot

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



18.0525, 25.5238, 35.4281



46.1390, 54.1752, 65.1518



12.8678, 24.2452, 5.6742



9.8620, 11.7583, 14.3202



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.0525, 25.5238, 35.4281



31.5433, 45.4179, 64.2308



10.5729, 10.5646, 32.9349



6.8079, 7.4815, 8.4919



14.2173, 20.5262, 29.1199



0.2581, 0.3749, 0.5220

Inverse Universe

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



20.0328, 10.5127, 31.1112



35.3782, 17.2430, 55.6704



18.2778, 15.7403, 3.5891



6.8971, 6.7518, 8.3093



15.9745, 7.6944, 25.1803



0.2876, 0.1384, 0.4606

Previews

White Background



This preview shows how the XYZ color 18.0517, 25.5228, 35.4275 looks on a white background.

Color Contrast Check

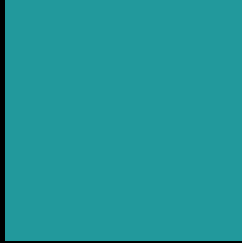
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0517, 25.5228, 35.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

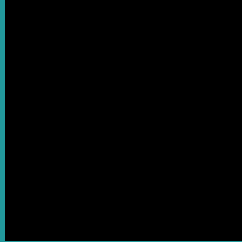
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0517, 25.5228, 35.4275

Background



This preview shows how black text looks on a background with the XYZ color 18.0517, 25.5228, 35.4275.



This preview shows how white text looks on a background with the XYZ color 18.0517, 25.5228,

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

18.0517, 25.5228, 35.4275

Protanopia

24.4505, 25.2850, 30.7859

Deuteranopia

25.6855, 25.1637, 36.7610



Tritanopia

18.8435, 25.6082, 39.0717

Trichromacy



Original Color

18.0517, 25.5228, 35.4275

Protanomaly

20.5830, 24.5563, 32.5092

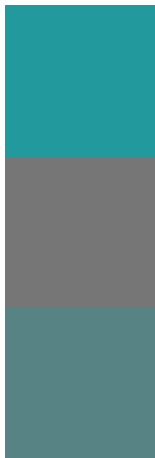
Deuteranomaly

21.1497, 24.3197, 36.3803

Tritanomaly

18.4606, 25.4418, 37.6560

Monochromacy



Original Color

18.0517, 25.5228, 35.4275

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2116, 19.9248, 24.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0517, 25.5228, 35.4275 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(34, 153, 156)` looks like.

```
.text, #text, p{  
    color:rgb(34, 153, 156)  
}
```

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(34, 153, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 153, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.0517, 25.5228, 35.4275 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(34, 153, 156) }
```


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

```
.border{ border-color:rgb(34, 153, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 153, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 153, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 153, 156);  
box-shadow:4px 4px 4px 4px rgb(34, 153,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0517, 25.5228, 35.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 153, 156) }
```

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

```
.background{ background-color: rgb(34, 153,  
156) }
```

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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