

Converting Colors

XYZ(18.8128, 26.3073, 34.8969)

Have a look what the booklet for
XYZ(18.8128, 26.3073, 34.8969)
contains.

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Color

**XYZ(18.9044, 26.4622,
35.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	319B9B
RGB	49, 155, 155
RGB Percent	19%, 61%, 61%
CMY	0.8078, 0.3921, 0.3922
CMYK	0.68, 0.00, 0.00, 0.39
HSL	180°, 52%, 40%
HSV	180°, 68%, 61%
XYZ	18.9044, 26.4622, 35.1217
YIQ	123.3060, -63.1760, -22.4720

Conversions

Conversions Part 2

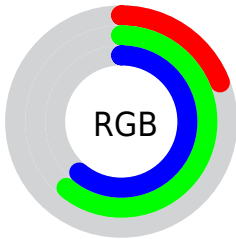
Format	Color
R_{YB}	49, 102, 155
Decimal	3251099
CIE _{Lab}	58.47, -29.14, -8.76
CIE _{LCh}	58, 30.431, 196.731
Yxy	26.4622, 0.2349, 0.3288
Android (android.graphics.Color)	4281441179 (0xFF319B9B)
YUV	123.3060, 15.6251, -65.1664
Hunter-Lab	51.4414, -24.4249, -4.4713

Details

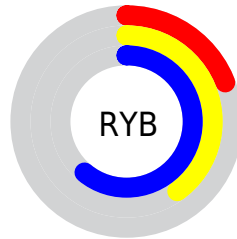
The XYZ color **18.9044, 26.4622, 35.1217** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.1712, 9.3879, 3.9191**, and the grayscale version is **18.8937, 19.8777, 21.6468**.

A 20% lighter version of the original color is **41.1108, 54.0761, 68.5926**, and **7.3489, 10.7000, 14.7747** is the 20% darker color. If you saturate the color by 10%, you get **18.2818, 26.1418, 35.0931**, and if you desaturate by 10%, it is **19.7858, 26.9171, 35.1636**.

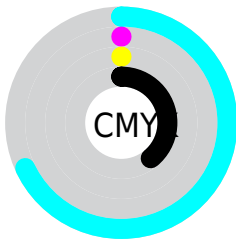
Distribution



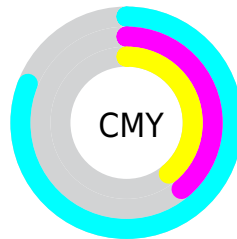
- Red (19%)
- Green (61%)
- Blue (61%)



- Red (19%)
- Yellow (40%)
- Blue (61%)



- Cyan (68%)
- Magenta (0%)
- Yellow (0%)
- Black (39%)



- Cyan (81%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9044, 26.4622, 35.1217 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 18.9044, 26.4622, 35.1217 by changing the saturation by 10% instead.

■ 18.9044, 26.4622,
35.1217

■ 18.9044, 26.4622,
35.1217

238.8687,
285.0437, 340.0257

■ 11.7048, 17.1697,
23.4723

■ 41.0906, 54.0197,
68.8280

■ 6.6138, 10.3556,
14.7341

■ 56.8080, 73.0534,
91.7219

■ 3.2659, 5.6354,
8.4884

■ 76.0953, 96.1031,
119.2012

■ 1.2959, 2.6246,
4.3168

■ 99.3179, 123.5531,
151.6843

■ 0.1801, 0.9391,
1.8007

■ 126.8412,
155.7877, 189.5898

■ 0.0000, 0.0000,
0.4284

159.0305,

■ 0.0000, 0.0000,

193.1914, 233.3361

0.0000

196.2513,
236.1486, 283.3419

■ 18.9044, 26.4622,
35.1217

■ 18.9044, 26.4622,
35.1217

■ 18.2818, 26.1418,
35.0931

■ 19.7858, 26.9171,
35.1636

■ 17.8878, 25.9387,
35.0746

■ 20.9472, 27.5159,
35.2180

■ 17.6695, 25.8262,
35.0643

■ 22.4105, 28.2703,
35.2866

■ 17.6382, 25.8100,
35.0628

■ 24.1949, 29.1901,
35.3702

■ 26.3177, 30.2845,
35.4696

■ 28.7952, 31.5616,
35.5856

■ 31.6425, 33.0295,
35.7190

■ 34.8740, 34.6954,
35.8703

■ 38.5032, 36.5663,
36.0402

Harmonies

Analogous

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



18.8121, 26.4622, 24.3620



18.9044, 26.4622, 35.1217



20.5603, 26.4622, 46.4515

Triad

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



18.9044, 26.4622, 35.1217



30.7277, 26.4622, 45.2587



26.8293, 26.4622, 13.1197

Complementary

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



18.9044, 26.4622, 35.1217



15.1712, 9.3879, 3.9191

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.



30.3799, 26.4622, 16.3224



18.9044, 26.4622, 35.1217



32.7757, 26.4622, 33.7752

Square

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



18.9044, 26.4622, 35.1217



27.2674, 26.4622, 53.2209



32.6425, 26.4622, 23.3087



23.1480, 26.4622, 13.3102

Rectangle

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



18.9044, 26.4622, 35.1217



22.4302, 26.4622, 52.0269



32.6425, 26.4622, 23.3087



28.0845, 26.4622, 13.7934

Sweetspot

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



18.9052, 26.4632, 35.1223



45.9142, 53.6075, 63.4633



13.6301, 24.3632, 6.8908



10.1700, 12.0191, 14.3542



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.



18.9052, 26.4632, 35.1223



32.3238, 46.6014, 62.8265



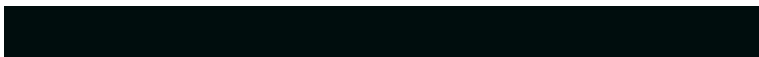
12.1109, 12.8745, 32.8581



6.3846, 7.0266, 7.9487



14.1666, 20.7301, 28.1617



0.2118, 0.3099, 0.4210

Inverse Universe

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



15.1712, 9.3879, 3.9191



25.1698, 13.8866, 3.0440



18.6526, 16.3507, 5.0795



6.2088, 6.2227, 6.4797



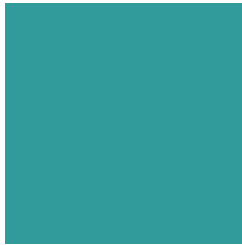
10.8574, 5.5972, 0.5082



0.1623, 0.0837, 0.0076

Previews

White Background



This preview shows how the XYZ color 18.9044, 26.4622, 35.1217 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 18.9044, 26.4622, 35.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

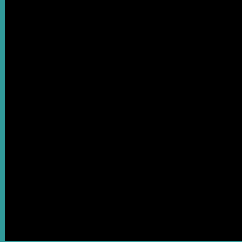
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9044, 26.4622, 35.1217

Background



This preview shows how black text looks on a background with the XYZ color 18.9044, 26.4622, 35.1217.

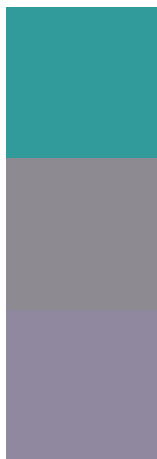


This preview shows how white text looks on a background with the XYZ color 18.9044, 26.4622,

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

18.9044, 26.4622, 35.1217

Protanopia

25.3280, 26.1723, 30.5049

Deuteranopia

26.5638, 26.0408, 36.4272



Tritanopia

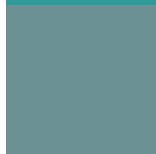
19.8497, 26.3479, 40.1158

Trichromacy



Original Color

18.9044, 26.4622, 35.1217



Protanomaly

21.7346, 25.6089, 32.2312



Deuteranomaly

22.3007, 25.3648, 36.0683



Tritanomaly

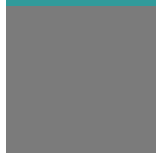
19.5454, 26.4767, 38.2628

Monochromacy



Original Color

18.9044, 26.4622, 35.1217



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.8610, 21.5640, 26.1426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9044, 26.4622, 35.1217 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(49, 155, 155)` looks like.

```
.text, #text, p{  
    color:rgb(49, 155, 155)  
}
```

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(49, 155, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 155, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.9044, 26.4622, 35.1217 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(49, 155, 155) }
```


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

```
.border{ border-color:rgb(49, 155, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 155, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 155, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 155, 155);  
box-shadow:4px 4px 4px 4px rgb(49, 155,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9044, 26.4622, 35.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 155, 155) }
```

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

```
.background{ background-color: rgb(49, 155,  
155) }
```

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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