

Converting Colors

XYZ(17.8833, 18.3195, 55.9155)

Have a look what the booklet for
XYZ(17.8833, 18.3195, 55.9155)
contains.

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Color

**XYZ(17.9519, 18.4084,
56.0331)**

Conversions

Conversions Part 1

Format	Color
Hex	267AC6
RGB	38, 122, 198
RGB Percent	15%, 48%, 78%
CMY	0.8509, 0.5216, 0.2235
CMYK	0.81, 0.38, 0.00, 0.22
HSL	209°, 68%, 46%
HSV	209°, 81%, 78%
XYZ	17.9519, 18.4084, 56.0331
YIQ	105.5480, -74.4600, 5.8280

Conversions

Conversions Part 2

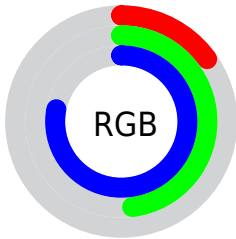
Format	Color
R_{YB}	38, 93, 198
Decimal	2521798
CIE _{Lab}	49.99, 2.45, -46.50
CIE _{LCh}	50, 46.564, 273.011
Yxy	18.4084, 0.1943, 0.1992
Android (android.graphics.Color)	4280711878 (0xFF267AC6)
YUV	105.5480, 45.5788, -59.2396
Hunter-Lab	42.9050, -0.3975, -47.3981

Details

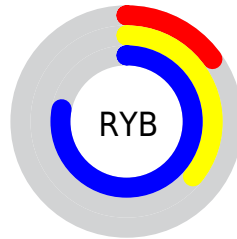
The XYZ color **17.9519, 18.4084, 56.0331** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **29.6577, 24.1834, 4.9396**, and the grayscale version is **13.4718, 14.1733, 15.4348**.

A 20% lighter version of the original color is **39.4927, 40.7433, 100.3905**, and **7.4828, 6.9112, 27.3252** is the 20% darker color. If you saturate the color by 10%, you get **16.3067, 15.9281, 55.6415**, and if you desaturate by 10%, it is **20.0983, 21.3134, 56.4811**.

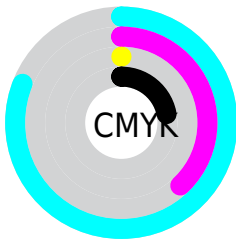
Distribution



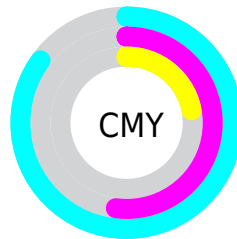
- Red (15%)
- Green (48%)
- Blue (78%)



- Red (15%)
- Yellow (36%)
- Blue (78%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9519, 18.4084, 56.0331 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 17.9519, 18.4084, 56.0331 by changing the saturation by 10% instead.

■ 17.9519, 18.4084,
56.0331

■ 17.9519, 18.4084,
56.0331

233.6506,
243.1630, 427.2080

■ 11.0149, 11.2436,
39.8253

■ 39.4861, 40.7320,
100.5392

■ 6.1443, 6.2309,
27.0896

■ 54.8140, 56.6596,
129.6747

■ 2.9745, 2.9860,
17.4075

■ 73.6696, 76.2769,
163.9564

■ 1.1403, 1.1244,
10.3604

■ 96.4183, 99.9683,
203.8029

■ 0.0584, 0.0000,
5.5299

■ 123.4254,
128.1183, 249.6328

■ 0.0000, 0.0000,
2.4973

155.0562,

■ 0.0000, 0.0000,

161.1111, 301.8646

0.8387

191.6762,
199.3312, 360.9168

■ 0.0000, 0.0000,
0.0000

■ 17.9519, 18.4084,
56.0331

■ 17.9519, 18.4084,
56.0331

■ 16.3067, 15.9281,
55.6415

■ 20.0983, 21.3134,
56.4811

■ 15.1378, 13.9666,
55.3245

■ 22.8007, 24.6753,
56.9876

■ 26.1083, 28.5239,
57.5561

■ 30.0637, 32.8855,
58.1895

■ 34.7054, 37.7838,
58.8903

■ 40.0686, 43.2410,
59.6610

■ 46.1861, 49.2777,
60.5038

■ 53.0883, 55.9133,
61.4208

■ 60.8040, 63.1663,
62.4141

Harmonies

Analogous

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



13.8794, 18.4084, 50.9440



17.9519, 18.4084, 56.0331



22.6082, 18.4084, 48.5742

Triad

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



17.9519, 18.4084, 56.0331



25.7371, 18.4084, 9.4033



10.9020, 18.4084, 10.8210

Complementary

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



17.9519, 18.4084, 56.0331



29.6577, 24.1834, 4.9396

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.



13.2202, 18.4084, 5.6789



17.9519, 18.4084, 56.0331



21.6933, 18.4084, 5.1393

Square

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



17.9519, 18.4084, 56.0331



27.5574, 18.4084, 18.7785



17.0491, 18.4084, 4.1435



10.2418, 18.4084, 21.3643

Rectangle

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



17.9519, 18.4084, 56.0331



25.2971, 18.4084, 38.7962



17.0491, 18.4084, 4.1435



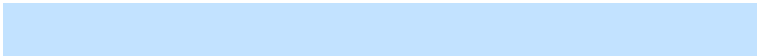
11.4912, 18.4084, 8.5835

Sweetspot

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



17.9526, 18.4090, 56.0336



67.4236, 73.0164, 105.1477



23.9564, 41.9857, 22.3682



13.7001, 14.8834, 22.4007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.9526, 18.4090, 56.0336



27.1627, 25.3033, 98.0601



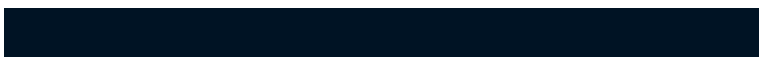
11.8695, 6.2426, 54.0059



10.5097, 11.1935, 13.5241



9.9307, 9.2552, 36.0074



0.5424, 0.5826, 1.7290

Inverse Universe

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



27.4954, 14.7981, 19.8200



45.8744, 23.2466, 25.9248



42.6356, 50.1391, 9.2655



10.8626, 10.7284, 12.2595



16.8119, 8.4743, 9.4851



0.8325, 0.4158, 0.6410

Previews

White Background



This preview shows how the XYZ color 17.9519, 18.4084, 56.0331 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 17.9519, 18.4084, 56.0331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

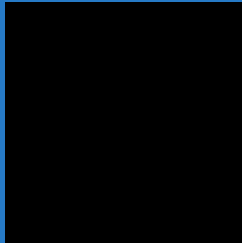
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9519, 18.4084, 56.0331

Background



This preview shows how black text looks on a background with the XYZ color 17.9519, 18.4084, 56.0331.



This preview shows how white text looks on a background with the XYZ color 17.9519, 18.4084,

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

17.9519, 18.4084, 56.0331

Protanopia

19.7843, 18.3713, 52.3724

Deuteranopia

18.8922, 18.3413, 56.5773



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

17.9519, 18.4084, 56.0331

Protanomaly

18.7418, 18.1540, 53.5552

Deuteranomaly

18.4935, 18.3133, 56.5929

Tritanomaly

14.4219, 18.1403, 36.9237

Monochromacy



Original Color

17.9519, 18.4084, 56.0331

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.8477, 15.2018, 26.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9519, 18.4084, 56.0331 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(38, 122, 198)` looks like.

```
.text, #text, p{  
    color:rgb(38, 122, 198)  
}
```

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(38, 122, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 122, 198) }
```

Border

The CSS property to change the border of an element to XYZ 17.9519, 18.4084, 56.0331 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(38, 122, 198) }
```


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

```
.border{ border-color:rgb(38, 122, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 122, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 122, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 122, 198);  
box-shadow:4px 4px 4px 4px rgb(38, 122,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9519, 18.4084, 56.0331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 122, 198) }
```

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

```
.background{ background-color: rgb(38, 122,  
198) }
```

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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