

Converting Colors

XYZ(18.5200, 20.0868, 57.0431)

Have a look what the booklet for
XYZ(18.5200, 20.0868, 57.0431)
contains.

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Color

**XYZ(18.4476, 19.9728,
56.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	1481C7
RGB	20, 129, 199
RGB Percent	8%, 51%, 78%
CMY	0.9215, 0.4941, 0.2196
CMYK	0.90, 0.35, 0.00, 0.22
HSL	203°, 82%, 43%
HSV	203°, 90%, 78%
XYZ	18.4476, 19.9728, 56.9157
YIQ	104.3890, -87.4340, -1.3380

Conversions

Conversions Part 2

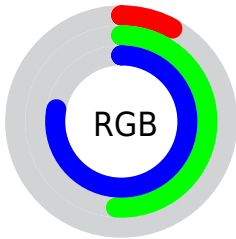
Format	Color
R_{YB}	20, 88, 199
Decimal	1343943
CIE _{Lab}	51.81, -2.78, -44.20
CIE _{LCh}	52, 44.289, 266.405
Yxy	19.9728, 0.1935, 0.2095
Android (android.graphics.Color)	4279534023 (0xFF1481C7)
YUV	104.3890, 46.6432, -74.0092
Hunter-Lab	44.6909, -4.5276, -44.2245

Details

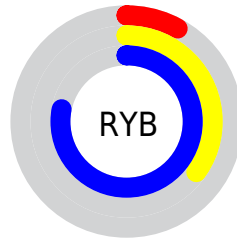
The XYZ color **18.4476, 19.9728, 56.9157** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **27.3384, 19.5098, 2.9880**, and the grayscale version is **13.1604, 13.8458, 15.0781**.

A 20% lighter version of the original color is **40.2574, 43.5007, 100.8824**, and **7.9795, 7.7817, 27.8695** is the 20% darker color. If you saturate the color by 10%, you get **17.1744, 17.8522, 56.5739**, and if you desaturate by 10%, it is **20.0962, 22.4034, 57.2984**.

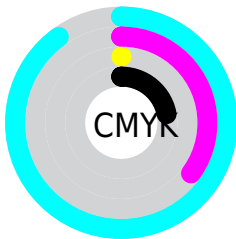
Distribution



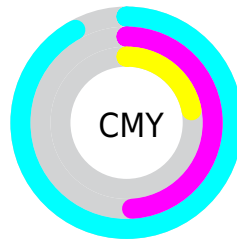
- Red (8%)
- Green (51%)
- Blue (78%)



- Red (8%)
- Yellow (35%)
- Blue (78%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (22%)



- Cyan (92%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4476, 19.9728, 56.9157 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 18.4476, 19.9728, 56.9157 by changing the saturation by 10% instead.

■ 18.4476, 19.9728,
56.9157

■ 18.4476, 19.9728,
56.9157

236.3791,
251.7678, 430.6182

■ 11.3734, 12.3753,
40.5287

■ 40.3227, 43.3716,
101.8413

■ 6.3877, 6.9998,
27.6340

■ 55.8543, 59.9416,
131.2169

■ 3.1251, 3.4620,
17.8133

■ 74.9359, 80.2713,
165.7591

■ 1.2203, 1.3774,
10.6480

■ 97.9326, 104.7450,
205.8865

■ 0.1223, 0.2000,
5.7195

■ 125.2100,
133.7471, 252.0176

■ 0.0000, 0.0000,
2.6093

157.1333,

■ 0.0000, 0.0000,

167.6620, 304.5708

0.8972

194.0678,
206.8741, 363.9649

■ 0.0000, 0.0000,
0.0000

■ 18.4476, 19.9728,
56.9157

■ 18.4476, 19.9728,
56.9157

■ 17.1744, 17.8522,
56.5739

■ 20.0962, 22.4034,
57.2984

■ 17.1667, 17.8391,
56.5718

■ 22.2215, 25.1979,
57.7258

■ 24.8796, 28.3879,
58.2014

■ 28.1176, 32.0000,
58.7280

■ 31.9769, 36.0579,
59.3078

■ 36.4949, 40.5831,
59.9431

■ 41.7058, 45.5953,
60.6359

■ 47.6415, 51.1130,
61.3881

■ 54.3315, 57.1536,
62.2015

Harmonies

Analogous

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



14.5976, 19.9728, 49.5143



18.4476, 19.9728, 56.9157



23.0859, 19.9728, 52.2449

Triad

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



18.4476, 19.9728, 56.9157



27.8097, 19.9728, 12.5033



12.6642, 19.9728, 10.7378

Complementary

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



18.4476, 19.9728, 56.9157



27.3384, 19.5098, 2.9880

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.



15.3985, 19.9728, 6.2718



18.4476, 19.9728, 56.9157



24.1702, 19.9728, 6.9728

Square

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



18.4476, 19.9728, 56.9157



28.9648, 19.9728, 23.3337



19.5298, 19.9728, 5.2310



11.6075, 19.9728, 20.2339

Rectangle

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



18.4476, 19.9728, 56.9157



25.9447, 19.9728, 43.6293



19.5298, 19.9728, 5.2310



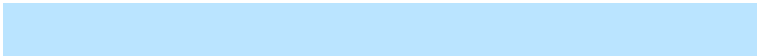
13.3942, 19.9728, 8.7686

Sweetspot

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



18.4484, 19.9734, 56.9162



66.0992, 73.2040, 105.2537



22.5005, 41.7114, 16.2361



13.5098, 15.0448, 22.4418



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.



18.4484, 19.9734, 56.9162



29.8155, 30.7509, 98.9718



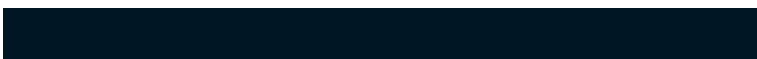
11.3877, 5.8521, 54.5627



10.5850, 11.3441, 13.5492



11.1257, 11.6454, 36.4058



0.5958, 0.6894, 1.7468

Inverse Universe

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



27.7666, 14.2285, 22.0523



47.1787, 23.6355, 33.2026



39.6243, 44.0816, 7.0833



10.9006, 10.7436, 12.4597



17.4151, 8.7156, 12.6616



0.8594, 0.4266, 0.7829

Previews

White Background



This preview shows how the XYZ color 18.4476, 19.9728, 56.9157 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 18.4476, 19.9728, 56.9157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

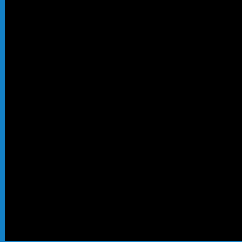
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4476, 19.9728, 56.9157

Background



This preview shows how black text looks on a background with the XYZ color 18.4476, 19.9728, 56.9157.



This preview shows how white text looks on a background with the XYZ color 18.4476, 19.9728,

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

18.4476, 19.9728, 56.9157

Protanopia

21.0502, 19.7359, 51.9902

Deuteranopia

20.4099, 19.8319, 57.3958



Tritanopia

14.1340, 19.9666, 30.3031

Trichromacy



Original Color

18.4476, 19.9728, 56.9157

Protanomaly

19.2748, 19.3262, 53.7534

Deuteranomaly

19.3345, 19.6496, 57.4173

Tritanomaly

15.4043, 19.8120, 38.6095

Monochromacy



Original Color

18.4476, 19.9728, 56.9157

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3130, 15.0908, 26.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4476, 19.9728, 56.9157 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(20, 129, 199)` looks like.

```
.text, #text, p{  
    color:rgb(20, 129, 199)  
}
```

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(20, 129, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 129, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.4476, 19.9728, 56.9157 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(20, 129, 199) }
```


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

```
.border{ border-color:rgb(20, 129, 199) }
```

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

Here you see how a box with a 4 pixel rgb(20, 129, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 129, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 129, 199);  
box-shadow:4px 4px 4px 4px rgb(20, 129,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4476, 19.9728, 56.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 129, 199) }
```

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

```
.background{ background-color: rgb(20, 129,  
199) }
```

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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