

Converting Colors

XYZ(18.5389, 18.3769, 62.3471)

Have a look what the booklet for
XYZ(18.5389, 18.3769, 62.3471)
contains.

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Color

**XYZ(18.5318, 18.3882,
62.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	1579D0
RGB	21, 121, 208
RGB Percent	8%, 47%, 82%
CMY	0.9175, 0.5255, 0.1843
CMYK	0.90, 0.42, 0.00, 0.18
HSL	208°, 82%, 45%
HSV	208°, 90%, 82%
XYZ	18.5318, 18.3882, 62.2471
YIQ	101.0180, -87.5270, 5.8570

Conversions

Conversions Part 2

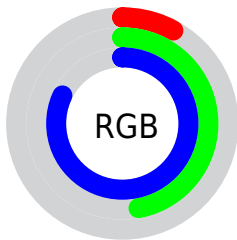
Format	Color
R_{YB}	21, 86, 208
Decimal	1407440
CIE _{Lab}	49.96, 5.61, -52.26
CIE _{LCh}	50, 52.560, 276.123
Yxy	18.3882, 0.1869, 0.1854
Android (android.graphics.Color)	4279597520 (0xFF1579D0)
YUV	101.0180, 52.7421, -70.1758
Hunter-Lab	42.8815, 2.0986, -56.0488

Details

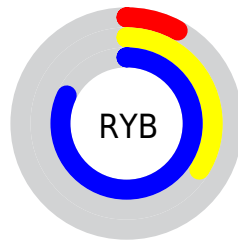
The XYZ color **18.5318, 18.3882, 62.2471** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.5139, 24.1956, 3.7201**, and the grayscale version is **12.2611, 12.8997, 14.0478**.

A 20% lighter version of the original color is **38.7025, 40.0502, 100.2984**, and **8.1323, 7.0650, 31.0721** is the 20% darker color. If you saturate the color by 10%, you get **17.1078, 15.9949, 61.8606**, and if you desaturate by 10%, it is **20.4064, 21.1893, 62.6894**.

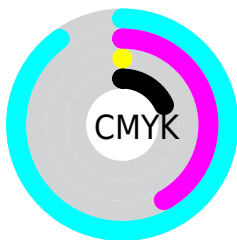
Distribution



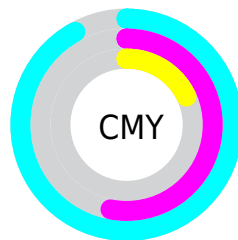
- Red (8%)
- Green (47%)
- Blue (82%)



- Red (8%)
- Yellow (34%)
- Blue (82%)



- Cyan (90%)
- Magenta (42%)
- Yellow (0%)
- Black (18%)



- Cyan (92%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5318, 18.3882, 62.2471 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 18.5318, 18.3882, 62.2471 by changing the saturation by 10% instead.

■ 18.5318, 18.3882,
62.2471

■ 18.5318, 18.3882,
62.2471

236.8397,
243.0501, 450.8644

■ 11.4345, 11.2291,
44.7953

■ 40.4645, 40.6977,
109.6576

■ 6.4293, 6.2211,
30.9545

■ 56.0305, 56.6169,
140.4535

■ 3.1510, 2.9800,
20.3060

■ 75.1501, 76.2248,
176.5344

■ 1.2341, 1.1213,
12.4314

■ 98.1887, 99.9059,
218.3190

■ 0.1330, 0.0000,
6.9121

■ 125.5116,
128.0446, 266.2257

■ 0.0000, 0.0000,
3.3296

157.4842,

■ 0.0000, 0.0000,

161.0253, 320.6731

1.2653

194.4718,
199.2323, 382.0799

■ 0.0000, 0.0000,
0.0331

■ 0.0000, 0.0000,
0.0000

■ 18.5318, 18.3882,
62.2471

■ 18.5318, 18.3882,
62.2471

■ 17.1078, 15.9949,
61.8606

■ 20.4064, 21.1893,
62.6894

■ 17.0932, 15.9701,
61.8566

■ 22.8420, 24.4596,
63.1922

■ 25.9027, 28.2369,
63.7600

■ 29.6423, 32.5537,
64.3962

■ 34.1083, 37.4388,
65.1037

■ 39.3435, 42.9185,
65.8854

■ 45.3874, 49.0172,
66.7441

■ 52.2763, 55.7577,
67.6820

■ 60.0444, 63.1615,
68.7017

Harmonies

Analogous

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



13.8404, 18.3882, 57.6423



18.5318, 18.3882, 62.2471



23.8367, 18.3882, 51.8554

Triad

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



18.5318, 18.3882, 62.2471



26.5338, 18.3882, 7.7108



10.0282, 18.3882, 10.7564

Complementary

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



18.5318, 18.3882, 62.2471



31.5139, 24.1956, 3.7201

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.



12.3636, 18.3882, 4.9281



18.5318, 18.3882, 62.2471



21.7016, 18.3882, 3.8543

Square

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



18.5318, 18.3882, 62.2471



28.9945, 18.3882, 17.2043



16.4638, 18.3882, 3.1613



9.5030, 18.3882, 23.1308

Rectangle

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



18.5318, 18.3882, 62.2471



26.8227, 18.3882, 39.8228



16.4638, 18.3882, 3.1613



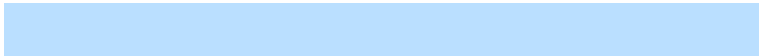
10.6022, 18.3882, 8.1923

Sweetspot

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



18.5326, 18.3887, 62.2476



64.7140, 70.4336, 104.7920



25.4243, 46.2952, 21.0054



13.1830, 14.3913, 22.3329



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.



18.5326, 18.3887, 62.2476



26.9029, 24.9258, 98.0010



12.1690, 5.6616, 60.1264



11.6796, 12.4495, 15.0311



10.7510, 10.1486, 38.5847



0.6801, 0.7255, 2.1838

Inverse Universe

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



29.7326, 15.3279, 19.4809



45.7085, 23.0474, 25.4609



46.4917, 54.1512, 8.7127



12.0692, 11.9124, 13.6401



18.0573, 9.0958, 10.4741



1.0495, 0.5245, 0.7957

Previews

White Background



This preview shows how the XYZ color 18.5318, 18.3882, 62.2471 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 18.5318, 18.3882, 62.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

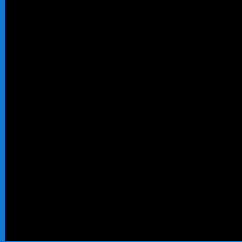
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5318, 18.3882, 62.2471

Background



This preview shows how black text looks on a background with the XYZ color 18.5318, 18.3882, 62.2471.



This preview shows how white text looks on a background with the XYZ color 18.5318, 18.3882,

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

18.5318, 18.3882, 62.2471

Protanopia

20.0997, 18.2312, 58.3367

Deuteranopia

18.9383, 18.4183, 62.2314



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

18.5318, 18.3882, 62.2471

Protanomaly

19.0640, 18.0120, 59.5986

Deuteranomaly

18.6973, 18.2941, 62.2202

Tritanomaly

14.4810, 17.9470, 38.2982

Monochromacy



Original Color

18.5318, 18.3882, 62.2471

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7687, 13.9963, 26.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5318, 18.3882, 62.2471 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(21, 121, 208)` looks like.

```
.text, #text, p{  
    color:rgb(21, 121, 208)  
}
```

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(21, 121, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 121, 208) }
```

Border

The CSS property to change the border of an element to XYZ 18.5318, 18.3882, 62.2471 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(21, 121, 208) }
```


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

```
.border{ border-color:rgb(21, 121, 208) }
```

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

Here you see how a box with a 4 pixel rgb(21, 121, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 121, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 121, 208);  
box-shadow:4px 4px 4px 4px rgb(21, 121,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5318, 18.3882, 62.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 121, 208) }
```

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

```
.background{ background-color: rgb(21, 121,  
208) }
```

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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