

Converting Colors

XYZ(19.5165, 18.1019, 62.4049)

Have a look what the booklet for
XYZ(19.5165, 18.1019, 62.4049)
contains.

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Color

**XYZ(19.5501, 18.2065,
62.1583)**

Conversions

Conversions Part 1

Format	Color
Hex	3B75D0
RGB	59, 117, 208
RGB Percent	23%, 46%, 82%
CMY	0.7686, 0.5412, 0.1843
CMYK	0.72, 0.44, 0.00, 0.18
HSL	217°, 61%, 52%
HSV	217°, 72%, 82%
XYZ	19.5501, 18.2065, 62.1583
YIQ	110.0320, -63.7790, 16.0050

Conversions

Conversions Part 2

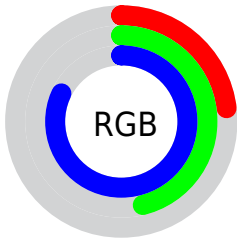
Format	Color
R_{YB}	59, 101, 208
Decimal	3896784
CIE _{Lab}	49.75, 11.76, -52.56
CIE _{LCh}	50, 53.857, 282.615
Yxy	18.2065, 0.1957, 0.1822
Android (android.graphics.Color)	4282086864 (0xFF3B75D0)
YUV	110.0320, 48.2982, -44.7551
Hunter-Lab	42.6691, 7.1142, -56.5025

Details

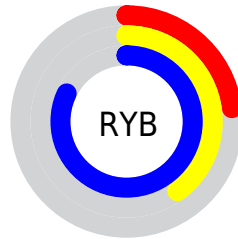
The XYZ color **19.5501, 18.2065, 62.1583** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **37.7101, 35.5415, 9.0116**, and the grayscale version is **14.7103, 15.4763, 16.8537**.

A 20% lighter version of the original color is **40.4063, 39.8069, 100.1616**, and **7.9399, 6.6802, 31.0079** is the 20% darker color. If you saturate the color by 10%, you get **17.1726, 14.9307, 61.6517**, and if you desaturate by 10%, it is **22.6209, 22.1383, 62.7558**.

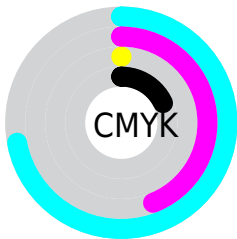
Distribution



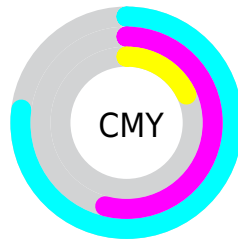
- Red (23%)
- Green (46%)
- Blue (82%)



- Red (23%)
- Yellow (40%)
- Blue (82%)



- Cyan (72%)
- Magenta (44%)
- Yellow (0%)
- Black (18%)



- Cyan (77%)
- Magenta (54%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5501, 18.2065, 62.1583 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 19.5501, 18.2065, 62.1583 by changing the saturation by 10% instead.

■ 19.5501, 18.2065,
62.1583

■ 19.5501, 18.2065,
62.1583

242.3493,
242.0324, 450.5319

■ 12.1748, 11.0983,
44.7240

■ 42.1713, 40.3889,
109.5281

■ 6.9359, 6.1330,
30.8987

■ 58.1479, 56.2319,
140.3007

■ 3.4680, 2.9261,
20.2639

■ 77.7224, 75.7553,
176.3565

■ 1.4058, 1.0933,
12.4011

■ 101.2600, 99.3436,
218.1139

■ 0.2604, 0.0000,
6.8916

■ 129.1261,
127.3810, 265.9917

■ 0.0000, 0.0000,
3.3170

161.6862,

■ 0.0000, 0.0000,

160.2520, 320.4082

1.2587

199.3054,
198.3410, 381.7821

■ 0.0000, 0.0000,
0.0276

■ 0.0000, 0.0000,
0.0000

■ 19.5501, 18.2065,
62.1583

■ 19.5501, 18.2065,
62.1583

■ 17.1726, 14.9307,
61.6517

■ 22.6209, 22.1383,
62.7558

■ 15.4158, 12.2610,
61.2290

■ 26.4425, 26.7664,
63.4477

■ 14.3247, 10.4330,
60.9337

■ 31.0682, 32.1292,
64.2390

■ 36.5456, 38.2614,
65.1339

■ 42.9183, 45.1952,
66.1364

■ 50.2268, 52.9608,
67.2501

■ 58.5091, 61.5867,
68.4786

■ 67.8007, 71.0999,
69.8251

■ 78.1357, 81.5262,
71.2928

Harmonies

Analogous

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



14.5210, 18.2065, 60.8633



19.5501, 18.2065, 62.1583



24.8812, 18.2065, 48.7363

Triad

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



19.5501, 18.2065, 62.1583



25.6283, 18.2065, 6.1870



9.4937, 18.2065, 12.5228

Complementary

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



19.5501, 18.2065, 62.1583



37.7101, 35.5415, 9.0116

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.



11.4474, 18.2065, 5.4528



19.5501, 18.2065, 62.1583



20.4233, 18.2065, 3.2371

Square

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



19.5501, 18.2065, 62.1583



28.8288, 18.2065, 14.2710



15.2382, 18.2065, 3.0586



9.3519, 18.2065, 26.6571

Rectangle

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



19.5501, 18.2065, 62.1583



27.6267, 18.2065, 35.8681



15.2382, 18.2065, 3.0586



9.9394, 18.2065, 9.4603

Sweetspot

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



19.5509, 18.2071, 62.1588



68.4578, 72.0984, 104.9160



29.7376, 48.1931, 35.9199



14.0138, 14.7437, 22.3572



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.



19.5509, 18.2071, 62.1588



25.6115, 21.2785, 97.3650



15.7667, 9.1352, 60.6072



11.5356, 12.1616, 14.9831



9.0154, 6.6774, 38.0062



0.5803, 0.5258, 2.1505

Inverse Universe

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



30.7880, 17.8233, 18.6475



45.3166, 23.8856, 20.3297



45.3639, 56.7787, 12.7074



11.9965, 11.8833, 13.2574



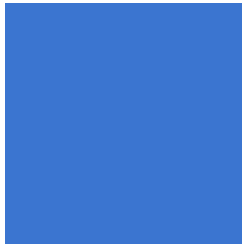
17.1813, 8.7454, 5.8609



0.9991, 0.5044, 0.5302

Previews

White Background



This preview shows how the XYZ color 19.5501, 18.2065, 62.1583 looks on a white 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

Black Background



This preview shows how the XYZ color 19.5501, 18.2065, 62.1583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

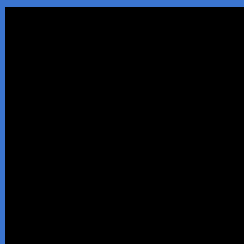
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

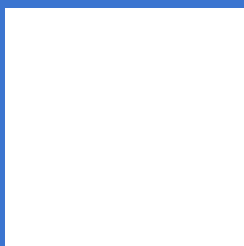
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5501, 18.2065, 62.1583

Background



This preview shows how black text looks on a background with the XYZ color 19.5501, 18.2065, 62.1583.



This preview shows how white text looks on a background with the XYZ color 19.5501, 18.2065,

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

19.5501, 18.2065, 62.1583

Protanopia

20.2518, 18.2542, 60.8485

Deuteranopia

18.6960, 18.1300, 61.5455

Trichromacy



Original Color

19.5501, 18.2065, 62.1583

Protanomaly

20.0337, 18.2979, 61.5074

Deuteranomaly

18.8676, 18.0427, 61.5196

Monochromacy



Original Color

19.5501, 18.2065, 62.1583

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4078, 16.1097, 29.4915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5501, 18.2065, 62.1583 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(59, 117, 208)` looks like.

```
.text, #text, p{  
    color:rgb(59, 117, 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(59, 117, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 117, 208) }
```

Border

The CSS property to change the border of an element to XYZ 19.5501, 18.2065, 62.1583 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(59, 117, 208) }
```

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

```
.border{ border-color:rgb(59, 117, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 117, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 117, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 117, 208);  
box-shadow:4px 4px 4px 4px rgb(59, 117,  
208) }
```


Background

The CSS property to change the background color of an element to XYZ 19.5501, 18.2065, 62.1583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 117, 208) }
```

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

```
.background{ background-color: rgb(59, 117,  
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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