

Converting Colors

XYZ(19.1226, 18.6106, 57.8427)

Have a look what the booklet for
XYZ(19.1226, 18.6106, 57.8427)
contains.

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Color

**XYZ(19.1226, 18.6106,
57.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	3C78C9
RGB	60, 120, 201
RGB Percent	24%, 47%, 79%
CMY	0.7647, 0.5294, 0.2118
CMYK	0.70, 0.40, 0.00, 0.21
HSL	214°, 57%, 51%
HSV	214°, 70%, 79%
XYZ	19.1226, 18.6106, 57.8427
YIQ	111.2940, -61.7610, 12.4710

Conversions

Conversions Part 2

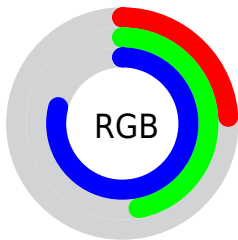
Format	Color
R_{YB}	60, 102, 201
Decimal	3963081
CIE _{Lab}	50.23, 7.51, -47.79
CIE _{LCh}	50, 48.379, 278.934
Yxy	18.6106, 0.2001, 0.1947
Android (android.graphics.Color)	4282153161 (0xFF3C78C9)
YUV	111.2940, 44.2251, -44.9848
Hunter-Lab	43.1400, 3.6284, -49.2988

Details

The XYZ color **19.1226, 18.6106, 57.8427** 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 **34.4298, 31.7967, 8.5991**, and the grayscale version is **15.0842, 15.8697, 17.2821**.

A 20% lighter version of the original color is **40.9709, 40.9360, 100.3498**, and **7.5057, 6.7101, 28.0937** is the 20% darker color. If you saturate the color by 10%, you get **16.8248, 15.4874, 57.3614**, and if you desaturate by 10%, it is **22.0504, 22.3077, 58.4024**.

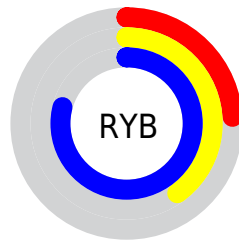
Distribution



Red (24%)

Green (47%)

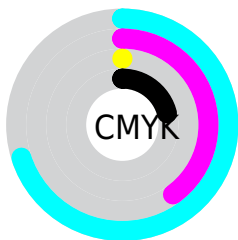
Blue (79%)



Red (24%)

Yellow (40%)

Blue (79%)

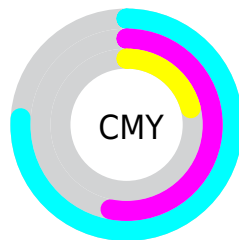


Cyan (70%)

Magenta (40%)

Yellow (0%)

Black (21%)



Cyan (76%)

Magenta (53%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1226, 18.6106, 57.8427 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 19.1226, 18.6106, 57.8427 by changing the saturation by 10% instead.

■ 19.1226, 18.6106,
57.8427

■ 19.1226, 18.6106,
57.8427

240.0499,
244.2905, 434.1814

■ 11.8634, 11.3892,
41.2683

■ 41.4564, 41.0751,
103.2063

■ 6.7223, 6.3293,
28.2075

■ 57.2618, 57.0870,
132.8326

■ 3.3338, 3.0463,
18.2418

■ 76.6466, 76.7978,
167.6466

■ 1.3327, 1.1560,
10.9525

■ 99.9763, 100.5921,
208.0669

■ 0.2075, 0.0253,
5.9211

■ 127.6160,
128.8541, 254.5119

■ 0.0000, 0.0000,
2.7292

159.9313,

■ 0.0000, 0.0000,

161.9682, 307.4004

0.9581

197.2875,
200.3189, 367.1507

■ 0.0000, 0.0000,
0.0000

■ 19.1226, 18.6106,
57.8427

■ 19.1226, 18.6106,
57.8427

■ 16.8248, 15.4874,
57.3614

■ 22.0504, 22.3077,
58.4024

■ 15.0933, 12.8958,
56.9524

■ 25.6584, 26.6122,
59.0431

■ 13.8327, 10.7970,
56.6137

■ 29.9937, 31.5566,
59.7690

■ 35.0982, 37.1703,
60.5835

■ 41.0107, 43.4804,
61.4898

■ 47.7668, 50.5124,
62.4911

■ 55.4004, 58.2905,
63.5901

■ 63.9429, 66.8376,
64.7896

■ 73.4245, 76.1755,
66.0922

Harmonies

Analogous

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



14.6492, 18.6106, 55.0539



19.1226, 18.6106, 57.8427



23.9638, 18.6106, 47.6271

Triad

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



19.1226, 18.6106, 57.8427



25.6472, 18.6106, 8.0049



10.5537, 18.6106, 12.3443

Complementary

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



19.1226, 18.6106, 57.8427



34.4298, 31.7967, 8.5991

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.



12.6177, 18.6106, 6.1063



19.1226, 18.6106, 57.8427



21.1223, 18.6106, 4.4791

Square

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



19.1226, 18.6106, 57.8427



28.1435, 18.6106, 16.5212



16.3286, 18.6106, 3.9836



10.2089, 18.6106, 24.5328

Rectangle

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



19.1226, 18.6106, 57.8427



26.5647, 18.6106, 36.6721



16.3286, 18.6106, 3.9836



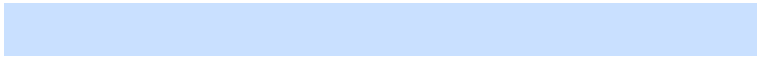
11.0495, 18.6106, 9.6670

Sweetspot

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



19.1234, 18.6112, 57.8432



68.9775, 73.1378, 105.0892



27.4775, 44.6252, 31.9395



14.1366, 14.9892, 22.3981



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.



19.1234, 18.6112, 57.8432



27.1997, 24.1738, 97.8402



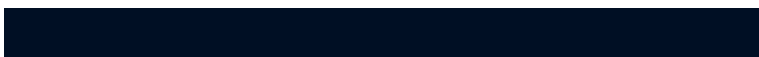
14.6425, 8.7301, 56.1721



10.4215, 11.0170, 13.4947



8.7841, 6.9622, 35.6252



0.4874, 0.4726, 1.7107

Inverse Universe

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



29.0942, 17.0065, 19.5187



46.1868, 24.4964, 24.1025



43.3401, 53.2545, 12.2713



10.8180, 10.7106, 12.0250



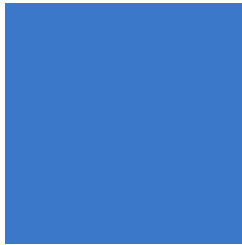
16.2332, 8.2428, 6.4376



0.8047, 0.4047, 0.4948

Previews

White Background



This preview shows how the XYZ color 19.1226, 18.6106, 57.8427 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 19.1226, 18.6106, 57.8427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

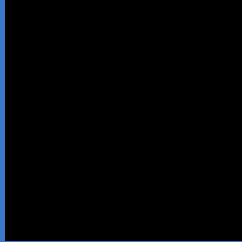
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

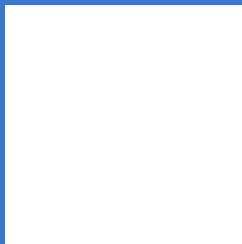
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1226, 18.6106, 57.8427

Background



This preview shows how black text looks on a background with the XYZ color 19.1226, 18.6106, 57.8427.



This preview shows how white text looks on a background with the XYZ color 19.1226, 18.6106,

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

19.1226, 18.6106, 57.8427

Protanopia

20.0697, 18.4533, 55.3274

Deuteranopia

19.1836, 18.6421, 57.8455



Tritanopia

13.2092, 18.4857, 28.8585

Trichromacy



Original Color

19.1226, 18.6106, 57.8427

Protanomaly

19.5348, 18.3363, 55.9357

Deuteranomaly

19.1836, 18.6421, 57.8455

Tritanomaly

14.7509, 18.2893, 37.8747

Monochromacy



Original Color

19.1226, 18.6106, 57.8427

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4650, 16.3236, 28.7212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1226, 18.6106, 57.8427 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(60, 120, 201)` looks like.

```
.text, #text, p{  
    color:rgb(60, 120, 201)  
}
```

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(60, 120, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 120, 201) }
```

Border

The CSS property to change the border of an element to XYZ 19.1226, 18.6106, 57.8427 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(60, 120, 201) }
```


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

```
.border{ border-color:rgb(60, 120, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 120, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 120, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 120, 201);  
box-shadow:4px 4px 4px 4px rgb(60, 120,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1226, 18.6106, 57.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 120, 201) }
```

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

```
.background{ background-color: rgb(60, 120,  
201) }
```

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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