

Converting Colors

XYZ(13.9667, 17.4111, 57.6003)

Have a look what the booklet for
XYZ(13.9667, 17.4111, 57.6003)
contains.

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Color

**XYZ(18.2618, 19.6554,
58.0897)**

Conversions

Conversions Part 1

Format	Color
Hex	0080C9
RGB	0, 128, 201
RGB Percent	0%, 50%, 79%
CMY	0.9998, 0.4980, 0.2118
CMYK	1.00, 0.36, 0.00, 0.21
HSL	202°, 100%, 39%
HSV	202°, 100%, 79%
XYZ	18.2618, 19.6554, 58.0897
YIQ	98.0500, -99.7210, -4.4330

Conversions

Conversions Part 2

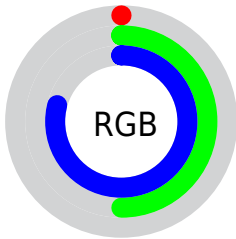
Format	Color
RYB	0, 78, 201
Decimal	32969
CIELab	51.45, -2.20, -45.92
CIELCh	51, 45.977, 267.263
Yxy	19.6554, 0.1902, 0.2047
Android (android.graphics.Color)	4278223049 (0xFF0080C9)
YUV	98.0500, 50.7544, -85.9899
Hunter-Lab	44.3344, -4.0592, -46.6514

Details

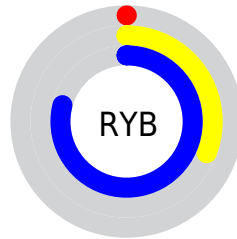
The XYZ color **18.2618, 19.6554, 58.0897** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **26.4733, 17.1887, 1.9238**, and the grayscale version is **11.5210, 12.1210, 13.1998**.

A 20% lighter version of the original color is **39.4083, 42.4592, 100.7261**, and **7.9843, 7.6673, 28.2532** is the 20% darker color. If you saturate the color by 10%, you get **18.2599, 19.6514, 58.0895**, and if you desaturate by 10%, it is **19.5404, 21.7799, 58.4328**.

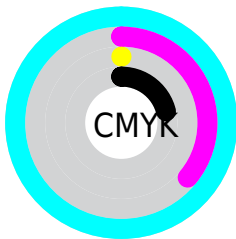
Distribution



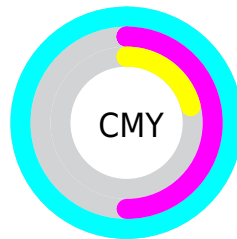
- Red (0%)
- Green (50%)
- Blue (79%)



- Red (0%)
- Yellow (31%)
- Blue (79%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (50%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2618, 19.6554, 58.0897 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 18.2618, 19.6554, 58.0897 by changing the saturation by 10% instead.

■ 18.2618, 19.6554,
58.0897

■ 18.2618, 19.6554,
58.0897

■ 235.3597,
250.0434, 435.1277

■ 11.2389, 12.1448,
41.4656

■ 40.0095, 42.8387,
103.5695

■ 6.2963, 6.8424,
28.3606

■ 55.4651, 59.2801,
133.2623

■ 3.0684, 3.3637,
18.3563

■ 74.4623, 79.4674,
168.1485

■ 1.1900, 1.3244,
11.0340

■ 97.3664, 103.7847,
208.6464

■ 0.0985, 0.1600,
5.9752

■ 124.5429,
132.6166, 255.1748

■ 0.0000, 0.0000,
2.7615

■ 156.3570,

■ 0.0000, 0.0000,

166.3474, 308.1521

0.9742

193.1742,
205.3616, 367.9969

■ 0.0000, 0.0000,
0.0000

■ 18.2618, 19.6554,
58.0897

■ 18.2618, 19.6554,
58.0897

■ 18.2599, 19.6514,
58.0895

■ 19.5404, 21.7799,
58.4328

■ 21.1905, 24.1995,
58.8129

■ 23.3185, 26.9712,
59.2357

■ 25.9809, 30.1263,
59.7044

■ 29.2256, 33.6912,
60.2215

■ 33.0949, 37.6896,
60.7893

■ 37.6267, 42.1428,
61.4100

■ 42.8559, 47.0707,
62.0856

■ 48.8147, 52.4914,
62.8178

Harmonies

Analogous

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



14.2868, 19.6554, 50.6432



18.2618, 19.6554, 58.0897



23.0434, 19.6554, 52.8264

Triad

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



18.2618, 19.6554, 58.0897



27.7205, 19.6554, 11.7520



12.1739, 19.6554, 10.3996

Complementary

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



18.2618, 19.6554, 58.0897



26.4733, 17.1887, 1.9238

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.



14.9086, 19.6554, 5.8379



18.2618, 19.6554, 58.0897



23.8969, 19.6554, 6.3627

Square

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



18.2618, 19.6554, 58.0897



29.0078, 19.6554, 22.6366



19.1083, 19.6554, 4.7409



11.1532, 19.6554, 20.2120

Rectangle

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



18.2618, 19.6554, 58.0897



25.9776, 19.6554, 43.6644



19.1083, 19.6554, 4.7409



12.8986, 19.6554, 8.3832

Sweetspot

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



18.2626, 19.6560, 58.0902



64.0517, 71.7976, 105.0902



22.0049, 42.2209, 12.8471



12.9739, 14.6523, 22.3943



0.0000, 0.0000, 0.0000



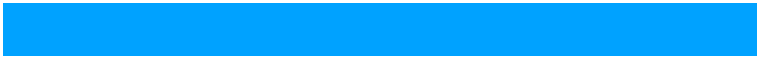
20.3446, 21.4041, 23.3091

Same Dimension

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



18.2626, 19.6560, 58.0902



31.0352, 33.1905, 99.3784



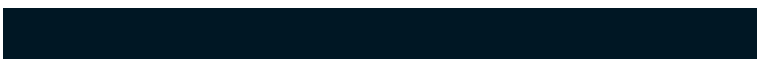
11.0123, 5.1555, 55.6735



10.6102, 11.3945, 13.5576



11.5706, 12.5351, 36.5540



0.6150, 0.7277, 1.7532

Inverse Universe

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



27.9844, 13.9771, 21.6454



47.7944, 23.8817, 36.4447



38.6238, 41.4897, 5.9739



10.9133, 10.7487, 12.5266



17.6396, 8.8054, 13.8441



0.8691, 0.4305, 0.8339

Previews

White Background



This preview shows how the XYZ color 18.2618, 19.6554, 58.0897 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 18.2618, 19.6554, 58.0897 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

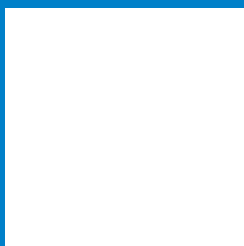
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2618, 19.6554, 58.0897

Background



This preview shows how black text looks on a background with the XYZ color 18.2618, 19.6554, 58.0897.

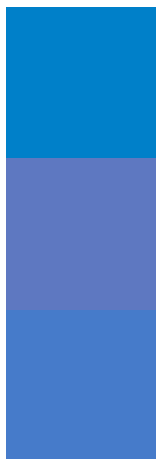


This preview shows how white text looks on a background with the XYZ color 18.2618, 19.6554,

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

18.2618, 19.6554, 58.0897

Protanopia

20.9582, 19.6629, 53.1428

Deuteranopia

20.2694, 19.7323, 58.6175



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

18.2618, 19.6554, 58.0897

Protanomaly

18.9102, 19.1121, 54.9169

Deuteranomaly

19.0765, 19.4894, 58.6335

Tritanomaly

15.1791, 19.4917, 38.5596

Monochromacy



Original Color

18.2618, 19.6554, 58.0897

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8284, 13.7107, 24.9447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2618, 19.6554, 58.0897 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(0, 128, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 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(0, 128, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 201) }
```

Border

The CSS property to change the border of an element to XYZ 18.2618, 19.6554, 58.0897 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(0, 128, 201) }
```


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

```
.border{ border-color:rgb(0, 128, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2618, 19.6554, 58.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 201) }
```

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

```
.background{ background-color: rgb(0, 128,  
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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