

Converting Colors

XYZ(18.4337, 20.0735, 57.9537)

Have a look what the booklet for
XYZ(18.4337, 20.0735, 57.9537)
contains.

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Color

**XYZ(18.5252, 20.1823,
58.1775)**

Conversions

Conversions Part 1

Format	Color
Hex	0082C9
RGB	0, 130, 201
RGB Percent	0%, 51%, 79%
CMY	0.9998, 0.4902, 0.2118
CMYK	1.00, 0.35, 0.00, 0.21
HSL	201°, 100%, 39%
HSV	201°, 100%, 79%
XYZ	18.5252, 20.1823, 58.1775
YIQ	99.2240, -100.2710, -5.4790

Conversions

Conversions Part 2

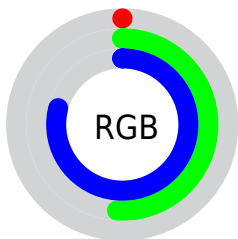
Format	Color
RYB	0, 79, 201
Decimal	33481
CIELab	52.04, -3.39, -44.98
CIELCh	52, 45.104, 265.690
Yxy	20.1823, 0.1912, 0.2083
Android (android.graphics.Color)	4278223561 (0xFF0082C9)
YUV	99.2240, 50.1756, -87.0194
Hunter-Lab	44.9247, -5.0118, -45.3332

Details

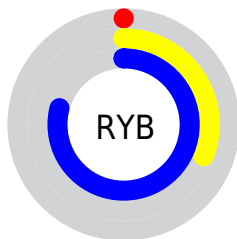
The XYZ color **18.5252, 20.1823, 58.1775** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **26.3436, 16.9293, 1.8804**, and the grayscale version is **11.8150, 12.4303, 13.5366**.

A 20% lighter version of the original color is **40.0205, 43.6836, 100.9302**, and **8.1307, 7.9602, 28.3021** is the 20% darker color. If you saturate the color by 10%, you get **18.5236, 20.1789, 58.1774**, and if you desaturate by 10%, it is **19.7943, 22.2878, 58.5175**.

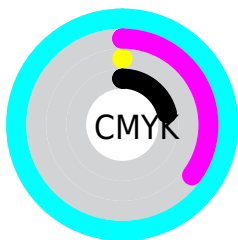
Distribution



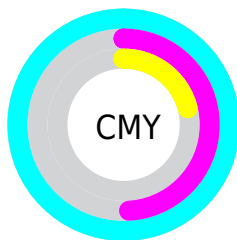
- Red (0%)
- Green (51%)
- Blue (79%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (49%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5252, 20.1823, 58.1775 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 18.5252, 20.1823, 58.1775 by changing the saturation by 10% instead.

■ 18.5252, 20.1823,
58.1775

■ 18.5252, 20.1823,
58.1775

236.8037,
252.9003, 435.4637

■ 11.4297, 12.5276,
41.5357

■ 40.4533, 43.7226,
103.6986

■ 6.4260, 7.1041,
28.4151

■ 56.0167, 60.3770,
133.4151

■ 3.1489, 3.5273,
18.3970

■ 75.1333, 80.8002,
168.3268

■ 1.2330, 1.4128,
11.0630

■ 98.1686, 105.3764,
208.8523

■ 0.1322, 0.2261,
5.9945

■ 125.4880,
134.4902, 255.4103

■ 0.0000, 0.0000,
2.7730

■ 157.4567,

■ 0.0000, 0.0000,

168.5258, 308.4191

0.9799

194.4401,
207.8677, 368.2974

■ 0.0000, 0.0000,
0.0000

■ 18.5252, 20.1823,
58.1775

■ 18.5252, 20.1823,
58.1775

■ 18.5236, 20.1789,
58.1774

■ 19.7943, 22.2878,
58.5175

■ 21.4313, 24.6814,
58.8932

■ 23.5426, 27.4200,
59.3105

■ 26.1847, 30.5345,
59.7724

■ 29.4052, 34.0513,
60.2815

■ 33.2464, 37.9937,
60.8400

■ 37.7462, 42.3830,
61.4501

■ 42.9391, 47.2387,
62.1136

■ 48.8575, 52.5789,
62.8324

Harmonies

Analogous

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



14.6140, 20.1823, 50.2633



18.5252, 20.1823, 58.1775



23.2807, 20.1823, 53.6432

Triad

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



18.5252, 20.1823, 58.1775



28.3143, 20.1823, 12.7171



12.7618, 20.1823, 10.5607

Complementary

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



18.5252, 20.1823, 58.1775



26.3436, 16.9293, 1.8804

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.



15.5962, 20.1823, 6.1339



18.5252, 20.1823, 58.1775



24.6162, 20.1823, 6.9840

Square

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



18.5252, 20.1823, 58.1775



29.4303, 20.1823, 23.9355



19.8555, 20.1823, 5.1521



11.6417, 20.1823, 20.1247

Rectangle

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



18.5252, 20.1823, 58.1775



26.2380, 20.1823, 44.8611



19.8555, 20.1823, 5.1521



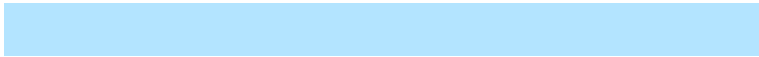
13.5211, 20.1823, 8.5992

Sweetspot

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



18.5260, 20.1829, 58.1780



64.2609, 72.2159, 105.1599



22.0047, 42.2208, 12.8465



13.0239, 14.7522, 22.4110



0.0000, 0.0000, 0.0000



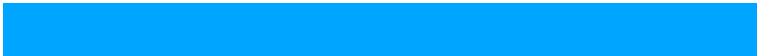
20.3446, 21.4041, 23.3091

Same Dimension

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



18.5260, 20.1829, 58.1780



31.4886, 34.0972, 99.5295



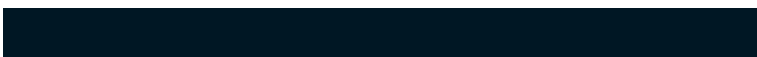
11.0122, 5.1553, 55.6734



10.6192, 11.4125, 13.5606



11.7357, 12.8653, 36.6091



0.6220, 0.7418, 1.7555

Inverse Universe

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



28.1174, 14.0302, 22.3457



48.0232, 23.9733, 37.6497



38.6236, 41.4894, 5.9737



10.9178, 10.7505, 12.5506



17.7230, 8.8387, 14.2829



0.8727, 0.4319, 0.8526

Previews

White Background



This preview shows how the XYZ color 18.5252, 20.1823, 58.1775 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 18.5252, 20.1823, 58.1775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

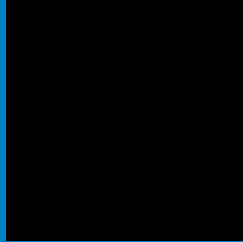
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5252, 20.1823, 58.1775

Background



This preview shows how black text looks on a background with the XYZ color 18.5252, 20.1823, 58.1775.

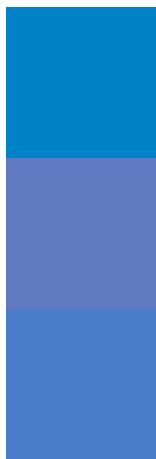


This preview shows how white text looks on a background with the XYZ color 18.5252, 20.1823,

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

18.5252, 20.1823, 58.1775

Protanopia

21.3928, 20.0664, 53.1978

Deuteranopia

20.6924, 20.1354, 58.6730



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

18.5252, 20.1823, 58.1775

Protanomaly

19.1581, 19.4250, 54.9642

Deuteranomaly

19.2938, 19.7903, 58.6801

Tritanomaly

15.5001, 19.8402, 39.5718

Monochromacy



Original Color

18.5252, 20.1823, 58.1775

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0698, 13.9862, 25.3560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5252, 20.1823, 58.1775 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, 130, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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, 130, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 201) }
```

Border

The CSS property to change the border of an element to XYZ 18.5252, 20.1823, 58.1775 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, 130, 201) }
```


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

```
.border{ border-color:rgb(0, 130, 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, 130, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5252, 20.1823, 58.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 201) }
```

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

```
.background{ background-color: rgb(0, 130,  
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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