

Converting Colors

XYZ(7.5563, 15.0913, 55.6785)

Have a look what the booklet for
XYZ(7.5563, 15.0913, 55.6785)
contains.

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Color

**XYZ(18.5806, 20.8523,
56.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	0085C6
RGB	0, 133, 198
RGB Percent	0%, 52%, 78%
CMY	0.9998, 0.4784, 0.2235
CMYK	1.00, 0.33, 0.00, 0.22
HSL	200°, 100%, 39%
HSV	200°, 100%, 78%
XYZ	18.5806, 20.8523, 56.4717
YIQ	100.6430, -100.1330, -7.9810

Conversions

Conversions Part 2

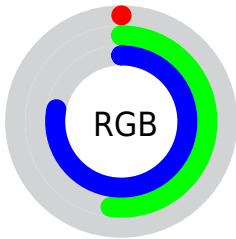
Format	Color
RYB	0, 80, 198
Decimal	34246
CIELab	52.79, -6.31, -42.09
CIELCh	53, 42.561, 261.472
Yxy	20.8523, 0.1937, 0.2174
Android (android.graphics.Color)	4278224326 (0xFF0085C6)
YUV	100.6430, 47.9970, -88.2639
Hunter-Lab	45.6643, -7.2817, -41.3572

Details

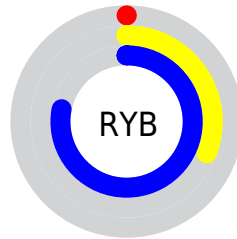
The XYZ color **18.5806, 20.8523, 56.4717** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.1820, 15.7916, 1.7221**, and the grayscale version is **12.1804, 12.8147, 13.9553**.

A 20% lighter version of the original color is **40.5387, 44.8792, 101.1337**, and **8.2044, 8.3543, 27.5657** is the 20% darker color. If you saturate the color by 10%, you get **18.5789, 20.8487, 56.4715**, and if you desaturate by 10%, it is **19.7841, 22.8355, 56.7915**.

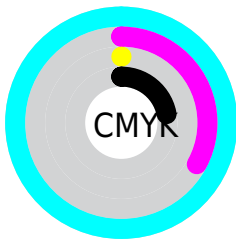
Distribution



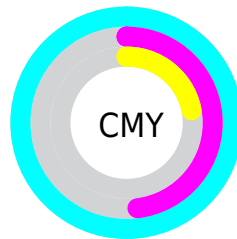
- Red (0%)
- Green (52%)
- Blue (78%)



- Red (0%)
- Yellow (31%)
- Blue (78%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5806, 20.8523, 56.4717 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 18.5806, 20.8523, 56.4717 by changing the saturation by 10% instead.

■ 18.5806, 20.8523,
56.4717

■ 18.5806, 20.8523,
56.4717

237.1064,
256.4925, 428.9049

■ 11.4698, 13.0161,
40.1747

■ 40.5466, 44.8416,
101.1866

■ 6.4534, 7.4396,
27.3600

■ 56.1325, 61.7635,
130.4416

■ 3.1659, 3.7385,
17.6089

■ 75.2742, 82.4827,
164.8529

■ 1.2421, 1.5284,
10.5031

■ 98.3370, 107.3836,
204.8393

■ 0.1392, 0.3086,
5.6238

■ 125.6862,
136.8506, 250.8191

■ 0.0000, 0.0000,
2.5527

■ 157.6873,

■ 0.0000, 0.0000,

171.2682, 303.2109

0.8679

194.7056,
211.0207, 362.4334

■ 0.0000, 0.0000,
0.0000

■ 18.5806, 20.8523,
56.4717

■ 18.5806, 20.8523,
56.4717

■ 18.5789, 20.8487,
56.4715

■ 19.7841, 22.8355,
56.7915

■ 21.3340, 25.0803,
57.1431

■ 23.3337, 27.6416,
57.5321

■ 25.8373, 30.5487,
57.9613

■ 28.8906, 33.8265,
58.4330

■ 32.5340, 37.4970,
58.9495

■ 36.8037, 41.5803,
59.5126

■ 41.7330, 46.0947,
60.1242

■ 47.3526, 51.0574,
60.7859

Harmonies

Analogous

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



14.9643, 20.8523, 47.6977



18.5806, 20.8523, 56.4717



23.1108, 20.8523, 53.8937

Triad

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



18.5806, 20.8523, 56.4717



28.8703, 20.8523, 14.8810



13.8643, 20.8523, 10.6288

Complementary

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



18.5806, 20.8523, 56.4717



25.1820, 15.7916, 1.7221

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.



16.8565, 20.8523, 6.7085



18.5806, 20.8523, 56.4717



25.6254, 20.8523, 8.4483

Square

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



18.5806, 20.8523, 56.4717



29.5150, 20.8523, 26.5256



21.1123, 20.8523, 6.0954



12.5204, 20.8523, 19.2694

Rectangle

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



18.5806, 20.8523, 56.4717



26.0262, 20.8523, 46.3856



21.1123, 20.8523, 6.0954



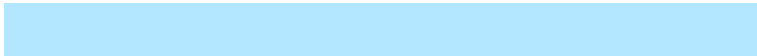
14.6874, 20.8523, 8.8729

Sweetspot

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



18.5814, 20.8530, 56.4722



64.7888, 73.2717, 105.3359



21.0845, 40.7447, 11.4165



13.1500, 15.0045, 22.4530



0.0000, 0.0000, 0.0000



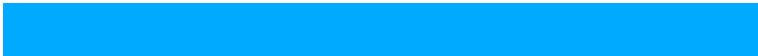
20.3446, 21.4041, 23.3091

Same Dimension

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



18.5814, 20.8530, 56.4722



32.6640, 36.4480, 99.9213



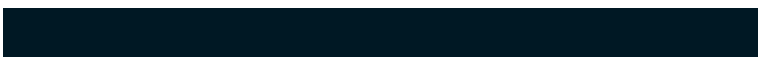
10.8348, 5.3598, 53.8900



10.6419, 11.4579, 13.5682



12.1631, 13.7200, 36.7515



0.6401, 0.7779, 1.7616

Inverse Universe

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



27.5231, 13.7003, 23.3846



48.6165, 24.2106, 40.7740



36.1582, 37.7441, 5.3809



10.9293, 10.7551, 12.6108



17.9387, 8.9250, 15.4188



0.8818, 0.4355, 0.9005

Previews

White Background



This preview shows how the XYZ color 18.5806, 20.8523, 56.4717 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 18.5806, 20.8523, 56.4717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

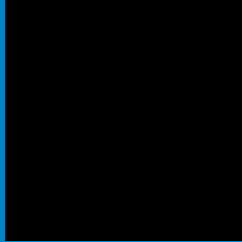
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5806, 20.8523, 56.4717

Background



This preview shows how black text looks on a background with the XYZ color 18.5806, 20.8523, 56.4717.

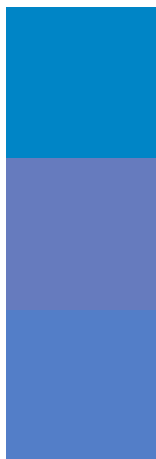


This preview shows how white text looks on a background with the XYZ color 18.5806, 20.8523,

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

18.5806, 20.8523, 56.4717

Protanopia

21.8567, 20.7084, 51.5603

Deuteranopia

21.4535, 20.9308, 57.5529



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

18.5806, 20.8523, 56.4717

Protanomaly

19.3950, 20.1528, 53.3197

Deuteranomaly

19.6273, 20.5809, 56.9709

Tritanomaly

15.9207, 20.6813, 39.7120

Monochromacy



Original Color

18.5806, 20.8523, 56.4717

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4634, 14.6778, 25.4688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5806, 20.8523, 56.4717 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, 133, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 198)  
}
```

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, 133, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 198) }
```

Border

The CSS property to change the border of an element to XYZ 18.5806, 20.8523, 56.4717 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, 133, 198) }
```


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

```
.border{ border-color:rgb(0, 133, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5806, 20.8523, 56.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 198) }
```

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

```
.background{ background-color: rgb(0, 133,  
198) }
```

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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