

Converting Colors

XYZ(13.2086, 18.1713, 55.3980)

Have a look what the booklet for
XYZ(13.2086, 18.1713, 55.3980)
contains.

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Color

**XYZ(18.4656, 20.8063,
55.8661)**

Conversions

Conversions Part 1

Format	Color
Hex	0085C5
RGB	0, 133, 197
RGB Percent	0%, 52%, 77%
CMY	0.9998, 0.4784, 0.2274
CMYK	1.00, 0.32, 0.00, 0.23
HSL	199°, 100%, 39%
HSV	199°, 100%, 77%
XYZ	18.4656, 20.8063, 55.8661
YIQ	100.5290, -99.8120, -8.2920

Conversions

Conversions Part 2

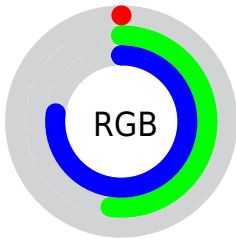
Format	Color
RYB	0, 79, 197
Decimal	34245
CIELab	52.74, -6.69, -41.60
CIELCh	53, 42.136, 260.860
Yxy	20.8063, 0.1941, 0.2187
Android (android.graphics.Color)	4278224325 (0xFF0085C5)
YUV	100.5290, 47.5602, -88.1639
Hunter-Lab	45.6139, -7.5633, -40.6863

Details

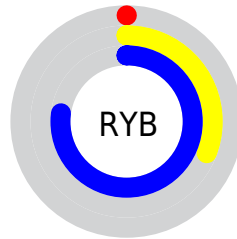
The XYZ color **18.4656, 20.8063, 55.8661** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.8623, 15.5422, 1.6908**, and the grayscale version is **12.1523, 12.7852, 13.9230**.

A 20% lighter version of the original color is **40.3781, 44.8150, 100.2879**, and **8.1282, 8.3238, 27.1649** is the 20% darker color. If you saturate the color by 10%, you get **18.4639, 20.8028, 55.8660**, and if you desaturate by 10%, it is **19.6525, 22.7594, 56.1810**.

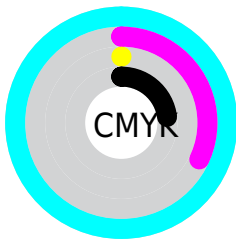
Distribution



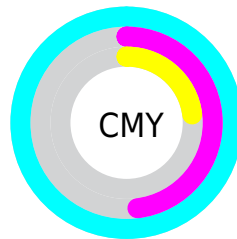
- Red (0%)
- Green (52%)
- Blue (77%)



- Red (0%)
- Yellow (31%)
- Blue (77%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (48%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4656, 20.8063, 55.8661 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 18.4656, 20.8063, 55.8661 by changing the saturation by 10% instead.

■ 18.4656, 20.8063,
55.8661

■ 18.4656, 20.8063,
55.8661

236.4776,
256.2473, 426.5608

■ 11.3865, 12.9825,
39.6923

■ 40.3530, 44.7649,
100.2926

■ 6.3966, 7.4165,
26.9868

■ 55.8920, 61.6686,
129.3824

■ 3.1307, 3.7239,
17.3309

■ 74.9817, 82.3676,
163.6146

■ 1.2232, 1.5203,
10.3063

■ 97.9874, 107.2464,
203.4078

■ 0.1246, 0.3030,
5.4942

■ 125.2745,
136.6893, 249.1805

■ 0.0000, 0.0000,
2.4763

■ 157.2083,

■ 0.0000, 0.0000,

171.0809, 301.3512

0.8276

194.1542,
210.8054, 360.3384

■ 0.0000, 0.0000,
0.0000

■ 18.4656, 20.8063,
55.8661

■ 18.4656, 20.8063,
55.8661

■ 18.4639, 20.8028,
55.8660

■ 19.6525, 22.7594,
56.1810

■ 21.1805, 24.9687,
56.5269

■ 23.1520, 27.4887,
56.9094

■ 25.6203, 30.3481,
57.3312

■ 28.6307, 33.5716,
57.7947

■ 32.2230, 37.1808,
58.3020

■ 36.4330, 41.1954,
58.8551

■ 41.2935, 45.6337,
59.4556

■ 46.8349, 50.5123,
60.1052

Harmonies

Analogous

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



14.9138, 20.8063, 47.0396



18.4656, 20.8063, 55.8661



22.9349, 20.8063, 53.5673

Triad

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



18.4656, 20.8063, 55.8661



28.7543, 20.8063, 15.0934



13.9270, 20.8063, 10.5689

Complementary

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



18.4656, 20.8063, 55.8661



24.8623, 15.5422, 1.6908

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.



16.9209, 20.8063, 6.7456



18.4656, 20.8063, 55.8661



25.5939, 20.8063, 8.6060

Square

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



18.4656, 20.8063, 55.8661



29.3304, 20.8063, 26.7136



21.1465, 20.8063, 6.1920



12.5605, 20.8063, 19.0289

Rectangle

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



18.4656, 20.8063, 55.8661



25.8251, 20.8063, 46.2846



21.1465, 20.8063, 6.1920



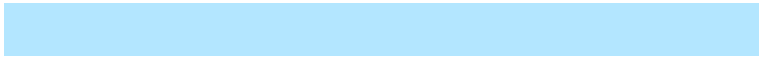
14.7536, 20.8063, 8.8529

Sweetspot

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



18.4664, 20.8070, 55.8666



64.8614, 73.4169, 105.3601



20.8479, 40.2855, 11.2943



13.1674, 15.0392, 22.4588



0.0000, 0.0000, 0.0000



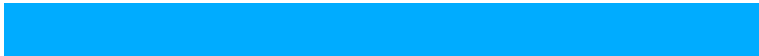
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4664, 20.8070, 55.8666



32.8292, 36.7783, 99.9764



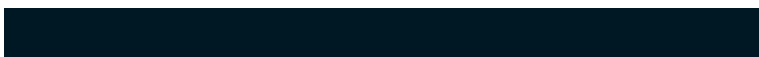
10.7142, 5.3026, 53.2826



10.6450, 11.4641, 13.5692



12.2230, 13.8400, 36.7715



0.6426, 0.7829, 1.7624

Inverse Universe

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



27.2604, 13.5649, 23.3723



48.6998, 24.2439, 41.2130



35.7524, 37.3225, 5.3209



10.9308, 10.7557, 12.6191



17.9690, 8.9371, 15.5783



0.8830, 0.4361, 0.9072

Previews

White Background



This preview shows how the XYZ color 18.4656, 20.8063, 55.8661 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 18.4656, 20.8063, 55.8661 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 18.4656, 20.8063, 55.8661

Background



This preview shows how black text looks on a background with the XYZ color 18.4656, 20.8063, 55.8661.

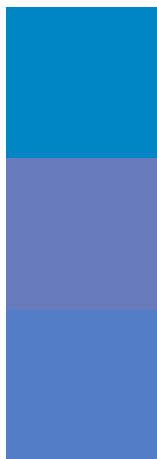


This preview shows how white text looks on a background with the XYZ color 18.4656, 20.8063,

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

18.4656, 20.8063, 55.8661

Protanopia

21.8618, 20.7236, 50.9919

Deuteranopia

21.2986, 20.6756, 56.9011



Tritanopia

14.7376, 20.6672, 32.0666

Trichromacy



Original Color

18.4656, 20.8063, 55.8661

Protanomaly

19.3506, 20.1428, 52.7372

Deuteranomaly

19.3804, 20.2724, 56.3176

Tritanomaly

15.9207, 20.6813, 39.7120

Monochromacy



Original Color

18.4656, 20.8063, 55.8661

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 18.4656, 20.8063, 55.8661 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 197) }
```

Border

The CSS property to change the border of an element to XYZ 18.4656, 20.8063, 55.8661 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, 197) }
```


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

```
.border{ border-color:rgb(0, 133, 197) }
```

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, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4656, 20.8063, 55.8661 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, 197) }
```

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

```
.background{ background-color: rgb(0, 133,  
197) }
```

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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