

Converting Colors

XYZ(8.6509, 15.8402, 53.9398)

Have a look what the booklet for
XYZ(8.6509, 15.8402, 53.9398)
contains.

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Color

**XYZ(18.2379, 20.7152,
54.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	0085C3
RGB	0, 133, 195
RGB Percent	0%, 52%, 76%
CMY	0.9998, 0.4784, 0.2353
CMYK	1.00, 0.32, 0.00, 0.24
HSL	199°, 100%, 38%
HSV	199°, 100%, 76%
XYZ	18.2379, 20.7152, 54.6670
YIQ	100.3010, -99.1700, -8.9140

Conversions

Conversions Part 2

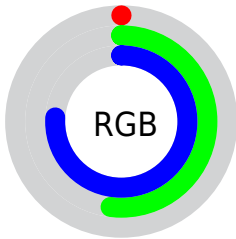
Format	Color
RYB	0, 79, 195
Decimal	34243
CIELab	52.64, -7.46, -40.62
CIELCh	53, 41.299, 259.600
Yxy	20.7152, 0.1948, 0.2213
Android (android.graphics.Color)	4278224323 (0xFF0085C3)
YUV	100.3010, 46.6866, -87.9640
Hunter-Lab	45.5140, -8.1227, -39.3537

Details

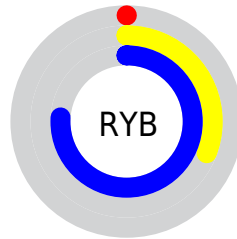
The XYZ color **18.2379, 20.7152, 54.6670** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.2312, 15.0524, 1.6296**, and the grayscale version is **12.0962, 12.7262, 13.8588**.

A 20% lighter version of the original color is **39.9535, 44.6329, 98.6047**, and **7.9780, 8.2637, 26.3739** is the 20% darker color. If you saturate the color by 10%, you get **18.2362, 20.7117, 54.6669**, and if you desaturate by 10%, it is **19.3917, 22.6082, 54.9720**.

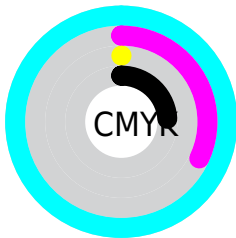
Distribution



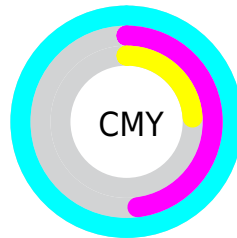
- Red (0%)
- Green (52%)
- Blue (76%)



- Red (0%)
- Yellow (31%)
- Blue (76%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2379, 20.7152, 54.6670 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 18.2379, 20.7152, 54.6670 by changing the saturation by 10% instead.

■ 18.2379, 20.7152,
54.6670

■ 18.2379, 20.7152,
54.6670

■ 235.2283,
255.7610, 421.8947

■ 11.2216, 12.9160,
38.7384

■ 39.9692, 44.6131,
98.5191

■ 6.2845, 7.3707,
26.2500

■ 55.4149, 61.4805,
127.2797

■ 3.0611, 3.6950,
16.7833

■ 74.4012, 82.1395,
161.1547

■ 1.1862, 1.5045,
9.9198

■ 97.2934, 106.9744,
200.5627

■ 0.0954, 0.2919,
5.2409

■ 124.4569,
136.3696, 245.9221

■ 0.0000, 0.0000,
2.3281

■ 156.2569,

■ 0.0000, 0.0000,

170.7095, 297.6516

0.7469

193.0590,
210.3785, 356.1696

■ 0.0000, 0.0000,
0.0000

■ 18.2379, 20.7152,
54.6670

■ 18.2379, 20.7152,
54.6670

■ 18.2362, 20.7117,
54.6669

■ 19.3917, 22.6082,
54.9720

■ 20.8761, 24.7469,
55.3066

■ 22.7915, 27.1847,
55.6762

■ 25.1900, 29.9497,
56.0835

■ 28.1154, 33.0655,
56.5307

■ 31.6067, 36.5533,
57.0199

■ 35.6987, 40.4323,
57.5529

■ 40.4232, 44.7199,
58.1315

■ 45.8099, 49.4325,
58.7572

Harmonies

Analogous

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



14.8140, 20.7152, 45.7417



18.2379, 20.7152, 54.6670



22.5867, 20.7152, 52.9171

Triad

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



18.2379, 20.7152, 54.6670



28.5233, 20.7152, 15.5249



14.0537, 20.7152, 10.4510

Complementary

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



18.2379, 20.7152, 54.6670



24.2312, 15.0524, 1.6296

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.



17.0507, 20.7152, 6.8213



18.2379, 20.7152, 54.6670



25.5314, 20.7152, 8.9279

Square

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



18.2379, 20.7152, 54.6670



28.9638, 20.7152, 27.0924



21.2155, 20.7152, 6.3891



12.6416, 20.7152, 18.5554

Rectangle

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



18.2379, 20.7152, 54.6670



25.4267, 20.7152, 46.0820



21.2155, 20.7152, 6.3891



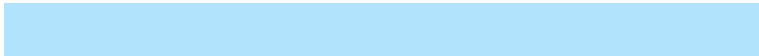
14.8871, 20.7152, 8.8141

Sweetspot

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



18.2387, 20.7159, 54.6675



63.5526, 72.0583, 103.0289



20.3794, 39.3763, 11.0523



13.2027, 15.1099, 22.4706



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.



18.2387, 20.7159, 54.6675



32.4263, 36.6252, 97.8301



10.4754, 5.1894, 52.0798



10.0897, 10.8707, 12.8513



11.9308, 13.6181, 35.5563



0.5753, 0.7080, 1.5562

Inverse Universe

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



26.7401, 13.2967, 23.3479



47.7704, 23.7645, 41.1827



34.9489, 36.4877, 5.2021



10.3566, 10.1912, 11.9683



17.4181, 8.6570, 15.3796



0.7828, 0.3861, 0.8234

Previews

White Background



This preview shows how the XYZ color 18.2379, 20.7152, 54.6670 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 18.2379, 20.7152, 54.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

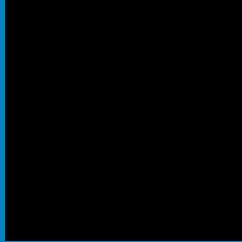
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2379, 20.7152, 54.6670

Background



This preview shows how black text looks on a background with the XYZ color 18.2379, 20.7152, 54.6670.



This preview shows how white text looks on a background with the XYZ color 18.2379, 20.7152,

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

18.2379, 20.7152, 54.6670

Protanopia

21.5394, 20.5947, 49.2943

Deuteranopia

21.2494, 20.6769, 55.6944



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

18.2379, 20.7152, 54.6670

Protanomaly

19.0214, 20.0111, 51.0041

Deuteranomaly

19.2585, 20.2361, 55.1155

Tritanomaly

15.8286, 20.6445, 39.2269

Monochromacy



Original Color

18.2379, 20.7152, 54.6670

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2817, 14.4276, 25.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2379, 20.7152, 54.6670 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 195) }
```

Border

The CSS property to change the border of an element to XYZ 18.2379, 20.7152, 54.6670 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, 195) }
```


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

```
.border{ border-color:rgb(0, 133, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2379, 20.7152, 54.6670 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, 195) }
```

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

```
.background{ background-color: rgb(0, 133,  
195) }
```

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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