

Converting Colors

XYZ(12.4341, 17.7524, 55.1933)

Have a look what the booklet for
XYZ(12.4341, 17.7524, 55.1933)
contains.

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Color

**XYZ(18.3513, 20.7606,
55.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	0085C4
RGB	0, 133, 196
RGB Percent	0%, 52%, 77%
CMY	0.9999, 0.4784, 0.2314
CMYK	1.00, 0.32, 0.00, 0.23
HSL	199°, 100%, 38%
HSV	199°, 100%, 77%
XYZ	18.3513, 20.7606, 55.2645
YIQ	100.4150, -99.4910, -8.6030

Conversions

Conversions Part 2

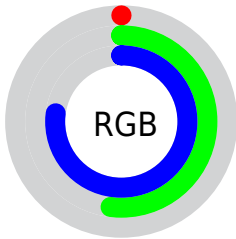
Format	Color
RYB	0, 79, 196
Decimal	34244
CIELab	52.69, -7.07, -41.11
CIELCh	53, 41.715, 260.236
Yxy	20.7606, 0.1944, 0.2200
Android (android.graphics.Color)	4278224324 (0xFF0085C4)
YUV	100.4150, 47.1234, -88.0640
Hunter-Lab	45.5638, -7.8439, -40.0184

Details

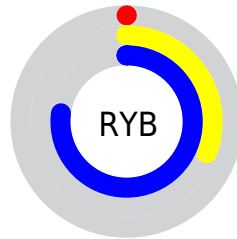
The XYZ color **18.3513, 20.7606, 55.2645** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.5449, 15.2951, 1.6597**, and the grayscale version is **12.1237, 12.7551, 13.8903**.

A 20% lighter version of the original color is **40.2183, 44.7510, 99.4466**, and **8.0528, 8.2936, 26.7676** is the 20% darker color. If you saturate the color by 10%, you get **18.3500, 20.7577, 55.2645**, and if you desaturate by 10%, it is **19.5216, 22.6835, 55.5744**.

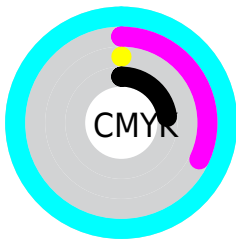
Distribution



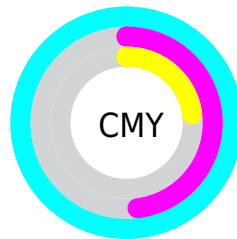
- Red (0%)
- Green (52%)
- Blue (77%)



- 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 18.3513, 20.7606, 55.2645 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 18.3513, 20.7606, 55.2645 by changing the saturation by 10% instead.

■ 18.3513, 20.7606,
55.2645

■ 18.3513, 20.7606,
55.2645

■ 235.8512,
256.0035, 424.2239

■ 11.3037, 12.9491,
39.2135

■ 40.1604, 44.6888,
99.4034

■ 6.3403, 7.3935,
26.6167

■ 55.6527, 61.5742,
128.3284

■ 3.0957, 3.7094,
17.0557

■ 74.6905, 82.2532,
162.3818

■ 1.2046, 1.5124,
10.1118

■ 97.6393, 107.1100,
201.9822

■ 0.1100, 0.2974,
5.3666

■ 124.8645,
136.5290, 247.5480

■ 0.0000, 0.0000,
2.4015

■ 156.7313,

■ 0.0000, 0.0000,

170.8946, 299.4979

0.7872

193.6051,
210.5913, 358.2504

■ 0.0000, 0.0000,
0.0000

■ 18.3513, 20.7606,
55.2645

■ 18.3513, 20.7606,
55.2645

■ 18.3500, 20.7577,
55.2645

■ 19.5216, 22.6835,
55.5744

■ 21.0275, 24.8574,
55.9147

■ 22.9707, 27.3360,
56.2907

■ 25.4038, 30.1479,
56.7052

■ 28.3714, 33.3172,
57.1605

■ 31.9128, 36.8653,
57.6587

■ 36.0633, 40.8116,
58.2017

■ 40.8553, 45.1740,
58.7911

■ 46.3188, 49.9690,
59.4287

Harmonies

Analogous

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



14.8636, 20.7606, 46.3874



18.3513, 20.7606, 55.2645



22.7602, 20.7606, 53.2419

Triad

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



18.3513, 20.7606, 55.2645



28.6386, 20.7606, 15.3082



13.9902, 20.7606, 10.5095

Complementary

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



18.3513, 20.7606, 55.2645



24.5449, 15.2951, 1.6597

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.



16.9857, 20.7606, 6.7832



18.3513, 20.7606, 55.2645



25.5627, 20.7606, 8.7659

Square

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



18.3513, 20.7606, 55.2645



29.1466, 20.7606, 26.9028



21.1810, 20.7606, 6.2899



12.6009, 20.7606, 18.7908

Rectangle

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



18.3513, 20.7606, 55.2645



25.6252, 20.7606, 46.1836



21.1810, 20.7606, 6.2899



14.8201, 20.7606, 8.8332

Sweetspot

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



18.3521, 20.7613, 55.2650



64.9351, 73.5643, 105.3846



20.6126, 39.8292, 11.1722



13.1850, 15.0745, 22.4647



0.0000, 0.0000, 0.0000



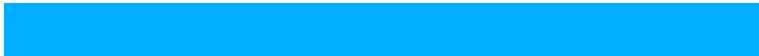
20.3446, 21.4041, 23.3091

Same Dimension

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



18.3521, 20.7613, 55.2650



32.9976, 37.1153, 100.0325



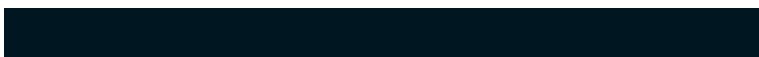
10.5942, 5.2454, 52.6791



10.0867, 10.8648, 12.8503



11.8712, 13.4989, 35.5365



0.5730, 0.7035, 1.5555

Inverse Universe

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



26.9993, 13.4302, 23.3601



48.7849, 24.2780, 41.6608



35.3490, 36.9033, 5.2610



10.3551, 10.1906, 11.9603



17.3880, 8.6450, 15.2211



0.7816, 0.3857, 0.8175

Previews

White Background



This preview shows how the XYZ color 18.3513, 20.7606, 55.2645 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 18.3513, 20.7606, 55.2645 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

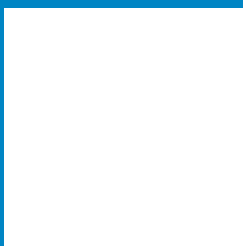
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3513, 20.7606, 55.2645

Background



This preview shows how black text looks on a background with the XYZ color 18.3513, 20.7606, 55.2645.



This preview shows how white text looks on a background with the XYZ color 18.3513, 20.7606,

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

18.3513, 20.7606, 55.2645

Protanopia

21.6461, 20.6373, 49.8562

Deuteranopia

21.2730, 20.6757, 56.2957



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

18.3513, 20.7606, 55.2645

Protanomaly

19.1304, 20.0547, 51.5779

Deuteranomaly

19.3185, 20.2538, 55.7145

Tritanomaly

15.8286, 20.6445, 39.2269

Monochromacy



Original Color

18.3513, 20.7606, 55.2645

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 18.3513, 20.7606, 55.2645 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 196) }
```

Border

The CSS property to change the border of an element to XYZ 18.3513, 20.7606, 55.2645 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, 196) }
```


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

```
.border{ border-color:rgb(0, 133, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3513, 20.7606, 55.2645 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, 196) }
```

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

```
.background{ background-color: rgb(0, 133,  
196) }
```

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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