

Converting Colors

XYZ(18.7558, 20.8890, 56.8604)

Have a look what the booklet for
XYZ(18.7558, 20.8890, 56.8604)
contains.

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Color

**XYZ(18.8343, 20.9697,
57.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	0B85C7
RGB	11, 133, 199
RGB Percent	4%, 52%, 78%
CMY	0.9567, 0.4784, 0.2196
CMYK	0.94, 0.33, 0.00, 0.22
HSL	201°, 89%, 41%
HSV	201°, 94%, 78%
XYZ	18.8343, 20.9697, 57.0877
YIQ	104.0460, -93.8980, -5.3380

Conversions

Conversions Part 2

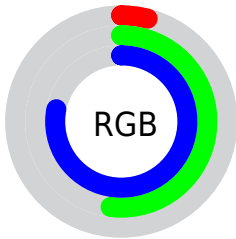
Format	Color
R_{YB}	11, 85, 199
Decimal	755143
CIE _{Lab}	52.92, -5.55, -42.45
CIE _{LCh}	53, 42.812, 262.549
Y _{xy}	20.9697, 0.1944, 0.2164
Android (android.graphics.Color)	4278945223 (0xFF0B85C7)
YUV	104.0460, 46.8123, -81.6013
Hunter-Lab	45.7927, -6.7211, -41.8593

Details

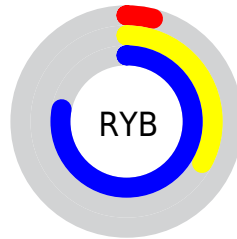
The XYZ color **18.8343, 20.9697, 57.0877** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.2705, 17.4795, 2.3070**, and the grayscale version is **13.0704, 13.7511, 14.9749**.

A 20% lighter version of the original color is **40.8644, 45.0471, 101.1489**, and **8.2812, 8.3850, 27.9701** is the 20% darker color. If you saturate the color by 10%, you get **18.1757, 19.8571, 56.9081**, and if you desaturate by 10%, it is **20.2486, 23.1668, 57.4377**.

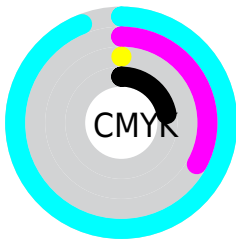
Distribution



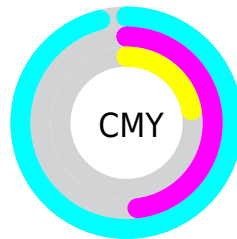
- Red (4%)
- Green (52%)
- Blue (78%)



- Red (4%)
- Yellow (33%)
- Blue (78%)



- Cyan (94%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (96%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8343, 20.9697, 57.0877 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 18.8343, 20.9697, 57.0877 by changing the saturation by 10% instead.

■ 18.8343, 20.9697,
57.0877

■ 18.8343, 20.9697,
57.0877

238.4882,
257.1174, 431.2808

■ 11.6539, 13.1019,
40.6658

■ 40.9730, 45.0371,
102.0947

■ 6.5790, 7.4987,
27.7403

■ 56.6619, 62.0054,
131.5170

■ 3.2442, 3.7759,
17.8927

■ 75.9178, 82.7761,
166.1098

■ 1.2842, 1.5490,
10.7043

■ 99.1059, 107.7334,
206.2917

■ 0.1713, 0.3229,
5.7567

■ 126.5917,
137.2618, 252.4812

■ 0.0000, 0.0000,
2.6313

158.7404,

■ 0.0000, 0.0000,

171.7457, 305.0968

0.9086

195.9175,
211.5694, 364.5572

■ 0.0000, 0.0000,
0.0000

■ 18.8343, 20.9697,
57.0877

■ 18.8343, 20.9697,
57.0877

■ 18.1757, 19.8571,
56.9081

■ 20.2486, 23.1668,
57.4377

■ 22.0960, 25.6833,
57.8261

■ 24.4379, 28.5526,
58.2565

■ 27.3241, 31.8021,
58.7316

■ 30.7979, 35.4559,
59.2537

■ 34.8979, 39.5355,
59.8251

■ 39.6593, 44.0605,
60.4475

■ 45.1146, 49.0491,
61.1229

■ 51.2937, 54.5184,
61.8529

Harmonies

Analogous

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



15.1367, 20.9697, 48.5636



18.8343, 20.9697, 57.0877



23.4216, 20.9697, 54.0515

Triad

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



18.8343, 20.9697, 57.0877



28.9961, 20.9697, 14.6158



13.8428, 20.9697, 10.8729

Complementary

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



18.8343, 20.9697, 57.0877



26.2705, 17.4795, 2.3070

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.



16.8058, 20.9697, 6.7826



18.8343, 20.9697, 57.0877



25.6439, 20.9697, 8.3097

Square

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



18.8343, 20.9697, 57.0877



29.7550, 20.9697, 26.1848



21.0696, 20.9697, 6.0626



12.5493, 20.9697, 19.7791

Rectangle

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



18.8343, 20.9697, 57.0877



26.3447, 20.9697, 46.2672



21.0696, 20.9697, 6.0626



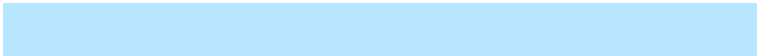
14.6532, 20.9697, 9.0498

Sweetspot

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



18.8351, 20.9704, 57.0882



65.9986, 73.9153, 105.3963



21.8955, 41.4519, 13.8359



13.3580, 15.0870, 22.4580



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.



18.8351, 20.9704, 57.0882



31.5885, 34.2971, 99.5628



11.1806, 5.6613, 54.5367



10.6212, 11.4165, 13.5613



11.7721, 12.9380, 36.6212



0.6235, 0.7449, 1.7561

Inverse Universe

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



27.9072, 14.0759, 23.4368



48.0736, 23.9935, 37.9154



38.1404, 41.2192, 6.2637



10.9188, 10.7509, 12.5558



17.7413, 8.8461, 14.3796



0.8734, 0.4322, 0.8567

Previews

White Background



This preview shows how the XYZ color 18.8343, 20.9697, 57.0877 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 18.8343, 20.9697, 57.0877 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

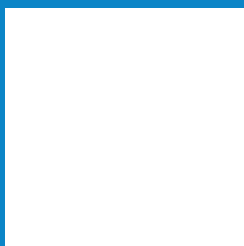
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8343, 20.9697, 57.0877

Background



This preview shows how black text looks on a background with the XYZ color 18.8343, 20.9697, 57.0877.



This preview shows how white text looks on a background with the XYZ color 18.8343, 20.9697,

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

18.8343, 20.9697, 57.0877

Protanopia

21.9664, 20.7523, 52.1381

Deuteranopia

21.5707, 20.9778, 58.1706



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

18.8343, 20.9697, 57.0877

Protanomaly

19.7812, 20.3390, 53.9222

Deuteranomaly

19.9629, 20.7405, 57.5947

Tritanomaly

16.0636, 20.7443, 40.2032

Monochromacy



Original Color

18.8343, 20.9697, 57.0877

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3167, 15.4276, 26.7021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8343, 20.9697, 57.0877 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(11, 133, 199)` looks like.

```
.text, #text, p{  
    color:rgb(11, 133, 199)  
}
```

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(11, 133, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 133, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.8343, 20.9697, 57.0877 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(11, 133, 199) }
```


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

```
.border{ border-color:rgb(11, 133, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 133, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 133, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 133, 199);  
box-shadow:4px 4px 4px 4px rgb(11, 133,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8343, 20.9697, 57.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 133, 199) }
```

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

```
.background{ background-color: rgb(11, 133,  
199) }
```

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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