

Converting Colors

XYZ(9.5757, 16.7688, 57.4625)

Have a look what the booklet for
XYZ(9.5757, 16.7688, 57.4625)
contains.

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Color

**XYZ(19.2295, 21.7784,
57.8337)**

Conversions

Conversions Part 1

Format	Color
Hex	0088C8
RGB	0, 136, 200
RGB Percent	0%, 53%, 78%
CMY	0.9998, 0.4667, 0.2157
CMYK	1.00, 0.32, 0.00, 0.22
HSL	199°, 100%, 39%
HSV	199°, 100%, 78%
XYZ	19.2295, 21.7784, 57.8337
YIQ	102.6320, -101.6000, -8.9280

Conversions

Conversions Part 2

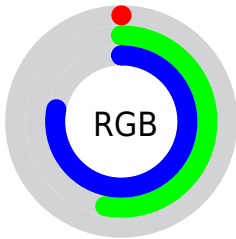
Format	Color
RYB	0, 81, 200
Decimal	35016
CIELab	53.79, -7.30, -41.64
CIELCh	54, 42.276, 260.060
Yxy	21.7784, 0.1945, 0.2203
Android (android.graphics.Color)	4278225096 (0xFF0088C8)
YUV	102.6320, 48.0024, -90.0083
Hunter-Lab	46.6673, -8.1160, -40.8095

Details

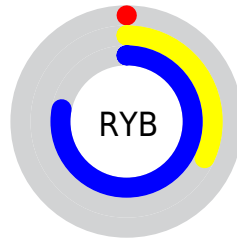
The XYZ color **19.2295, 21.7784, 57.8337** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.6560, 15.9518, 1.7282**, and the grayscale version is **12.6959, 13.3571, 14.5459**.

A 20% lighter version of the original color is **41.2846, 46.2119, 101.3516**, and **8.5965, 8.8917, 28.4573** is the 20% darker color. If you saturate the color by 10%, you get **19.2275, 21.7744, 57.8335**, and if you desaturate by 10%, it is **20.4479, 23.7854, 58.1573**.

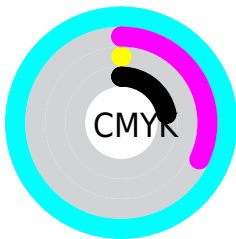
Distribution



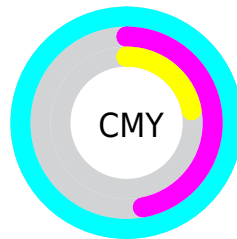
- Red (0%)
- Green (53%)
- Blue (78%)



- Red (0%)
- Yellow (32%)
- Blue (78%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2295, 21.7784, 57.8337 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 19.2295, 21.7784, 57.8337 by changing the saturation by 10% instead.

■ 19.2295, 21.7784,
57.8337

■ 19.2295, 21.7784,
57.8337

■ 240.6267,
261.3868, 434.1469

■ 11.9412, 13.6942,
41.2612

■ 41.6354, 46.3795,
103.1930

■ 6.7756, 7.9083,
28.2020

■ 57.4838, 63.6651,
132.8169

■ 3.3672, 4.0363,
18.2376

■ 76.9162, 84.7866,
167.6283

■ 1.3508, 1.6939,
10.9495

■ 100.2980,
110.1285, 208.0457

■ 0.2208, 0.4197,
5.9191

■ 127.9946,
140.0750, 254.4878

■ 0.0000, 0.0000,
2.7280

■ 160.3714,

■ 0.0000, 0.0000,

175.0107, 307.3730

0.9575

197.7936,
215.3198, 367.1198

■ 0.0000, 0.0000,
0.0000

■ 19.2295, 21.7784,
57.8337

■ 19.2295, 21.7784,
57.8337

■ 19.2275, 21.7744,
57.8335

■ 20.4479, 23.7854,
58.1573

■ 22.0189, 26.0552,
58.5127

■ 24.0474, 28.6435,
58.9053

■ 26.5891, 31.5802,
59.3382

■ 29.6906, 34.8908,
59.8138

■ 33.3934, 38.5976,
60.3341

■ 37.7345, 42.7211,
60.9012

■ 42.7481, 47.2800,
61.5169

■ 48.4655, 52.2917,
62.1829

Harmonies

Analogous

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



15.5873, 21.7784, 48.5015



19.2295, 21.7784, 57.8337



23.8397, 21.7784, 55.7908

Triad

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



19.2295, 21.7784, 57.8337



30.0271, 21.7784, 16.1317



14.7036, 21.7784, 11.0144

Complementary

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



19.2295, 21.7784, 57.8337



25.6560, 15.9518, 1.7282

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.



17.8483, 21.7784, 7.1313



19.2295, 21.7784, 57.8337



26.8231, 21.7784, 9.2485

Square

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



19.2295, 21.7784, 57.8337



30.5406, 21.7784, 28.2943



22.2430, 21.7784, 6.6313



13.2387, 21.7784, 19.6549

Rectangle

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



19.2295, 21.7784, 57.8337



26.8397, 21.7784, 48.4475



22.2430, 21.7784, 6.6313



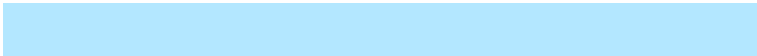
15.5758, 21.7784, 9.2664

Sweetspot

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



19.2303, 21.7791, 57.8343



64.9652, 73.6245, 105.3947



21.5625, 41.6722, 11.6636



13.1922, 15.0889, 22.4671



0.0000, 0.0000, 0.0000



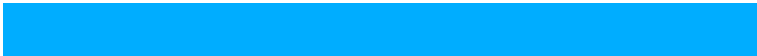
20.3446, 21.4041, 23.3091

Same Dimension

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



19.2303, 21.7791, 57.8343



33.0667, 37.2534, 100.0556



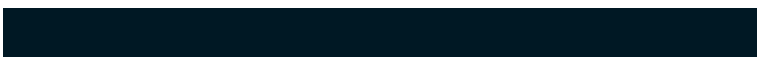
11.0785, 5.4754, 55.1170



10.6494, 11.4729, 13.5707



12.3093, 14.0125, 36.8003



0.6462, 0.7901, 1.7636

Inverse Universe

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



28.2641, 14.0581, 24.5168



48.8197, 24.2919, 41.8444



36.9780, 38.5959, 5.5022



10.9331, 10.7566, 12.6309



18.0125, 8.9546, 15.8075



0.8849, 0.4368, 0.9168

Previews

White Background



This preview shows how the XYZ color 19.2295, 21.7784, 57.8337 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 19.2295, 21.7784, 57.8337 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

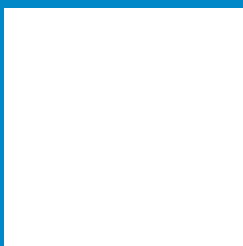
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2295, 21.7784, 57.8337

Background



This preview shows how black text looks on a background with the XYZ color 19.2295, 21.7784, 57.8337.

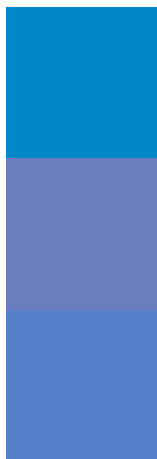


This preview shows how white text looks on a background with the XYZ color 19.2295, 21.7784,

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

19.2295, 21.7784, 57.8337

Protanopia

22.8087, 21.7475, 52.2857

Deuteranopia

22.3103, 21.7288, 58.8953



Tritanopia

15.4228, 21.6459, 33.5022

Trichromacy



Original Color

19.2295, 21.7784, 57.8337

Protanomaly

20.0350, 21.0536, 54.0467

Deuteranomaly

20.2345, 21.2619, 58.2958

Tritanomaly

16.6338, 21.6584, 41.3340

Monochromacy



Original Color

19.2295, 21.7784, 57.8337

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9649, 15.2547, 26.3059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2295, 21.7784, 57.8337 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, 136, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 200)  
}
```

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, 136, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 200) }
```

Border

The CSS property to change the border of an element to XYZ 19.2295, 21.7784, 57.8337 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, 136, 200) }
```


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

```
.border{ border-color:rgb(0, 136, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2295, 21.7784, 57.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 200) }
```

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

```
.background{ background-color: rgb(0, 136,  
200) }
```

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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