

Converting Colors

XYZ(19.4316, 22.4248, 54.4164)

Have a look what the booklet for
XYZ(19.4316, 22.4248, 54.4164)
contains.

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Color

**XYZ(19.3912, 22.3633,
54.3335)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8AC2
RGB	31, 138, 194
RGB Percent	12%, 54%, 76%
CMY	0.8784, 0.4588, 0.2392
CMYK	0.84, 0.29, 0.00, 0.24
HSL	201°, 72%, 44%
HSV	201°, 84%, 76%
XYZ	19.3912, 22.3633, 54.3335
YIQ	112.3910, -81.7480, -5.2680

Conversions

Conversions Part 2

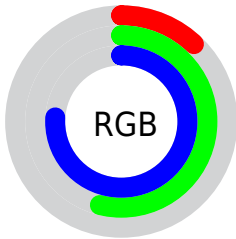
Format	Color
RYB	31, 96, 194
Decimal	2067138
CIELab	54.41, -9.15, -37.24
CIELCh	54, 38.345, 256.200
Yxy	22.3633, 0.2018, 0.2327
Android (android.graphics.Color)	4280257218 (0xFF1F8AC2)
YUV	112.3910, 40.2332, -71.3799
Hunter-Lab	47.2899, -9.5633, -35.0181

Details

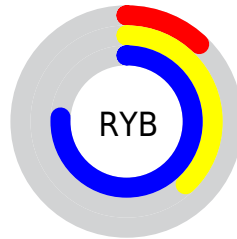
The XYZ color **19.3912, 22.3633, 54.3335** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.9056, 18.3878, 3.4814**, and the grayscale version is **15.4204, 16.2235, 17.6674**.

A 20% lighter version of the original color is **41.8691, 47.2299, 98.1763**, and **8.2233, 8.8729, 26.0902** is the 20% darker color. If you saturate the color by 10%, you get **18.0455, 20.2935, 54.0054**, and if you desaturate by 10%, it is **21.1484, 24.7331, 54.6988**.

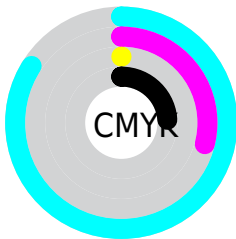
Distribution



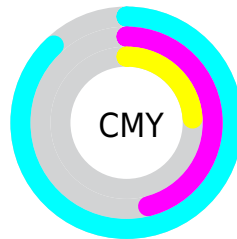
- Red (12%)
- Green (54%)
- Blue (76%)



- Red (12%)
- Yellow (38%)
- Blue (76%)



- Cyan (84%)
- Magenta (29%)
- Yellow (0%)
- Black (24%)



- Cyan (88%)
- Magenta (46%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3912, 22.3633, 54.3335 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 19.3912, 22.3633, 54.3335 by changing the saturation by 10% instead.

■ 19.3912, 22.3633,
54.3335

■ 19.3912, 22.3633,
54.3335

241.4968,
264.4377, 420.5910

■ 12.0590, 14.1241,
38.4734

■ 41.9059, 47.3457,
98.0251

■ 6.8563, 8.2070,
26.0456

■ 57.8190, 64.8577,
126.6936

■ 3.4179, 4.2277,
16.6317

■ 77.3232, 86.2294,
160.4687

■ 1.3784, 1.8017,
9.8131

■ 100.7838,
111.8453, 199.7688

■ 0.2408, 0.4883,
5.1712

■ 128.5661,
142.0896, 245.0126

■ 0.0000, 0.0000,
2.2876

161.0354,

■ 0.0000, 0.0000,

177.3469, 296.6185

0.7242

198.5572,
218.0014, 355.0051

■ 0.0000, 0.0000,
0.0000

■ 19.3912, 22.3633,
54.3335

■ 19.3912, 22.3633,
54.3335

■ 18.0455, 20.2935,
54.0054

■ 21.1484, 24.7331,
54.6988

■ 17.3715, 19.1627,
53.8226

■ 23.3707, 27.4310,
55.1024

■ 26.1052, 30.4830,
55.5474

■ 29.3923, 33.9115,
56.0359

■ 33.2680, 37.7364,
56.5699

■ 37.7652, 41.9761,
57.1512

■ 42.9141, 46.6474,
57.7815

■ 48.7430, 51.7662,
58.4623

■ 55.2782, 57.3474,
59.1951

Harmonies

Analogous

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



16.1527, 22.3633, 45.0885



19.3912, 22.3633, 54.3335



23.5835, 22.3633, 53.9075

Triad

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



19.3912, 22.3633, 54.3335



29.9690, 22.3633, 18.4631



15.9549, 22.3633, 11.6166

Complementary

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



19.3912, 22.3633, 54.3335



25.9056, 18.3878, 3.4814

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.



19.0862, 22.3633, 8.2337



19.3912, 22.3633, 54.3335



27.3338, 22.3633, 11.2044

Square

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



19.3912, 22.3633, 54.3335



30.0790, 22.3633, 30.2788



23.2359, 22.3633, 8.1129



14.3523, 22.3633, 19.2503

Rectangle

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



19.3912, 22.3633, 54.3335



26.3778, 22.3633, 48.1184



23.2359, 22.3633, 8.1129



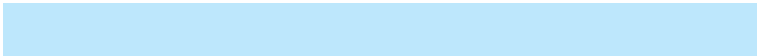
16.8436, 22.3633, 10.0730

Sweetspot

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



19.3920, 22.3640, 54.3341



67.2224, 74.9393, 103.3915



21.5111, 39.5369, 15.1642



14.0650, 15.7971, 22.5578



0.0000, 0.0000, 0.0000



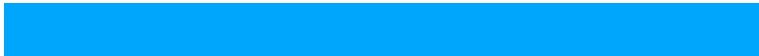
20.3446, 21.4041, 23.3091

Same Dimension

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



19.3920, 22.3640, 54.3341



31.2257, 34.2240, 97.4299



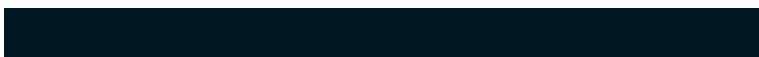
11.8256, 7.2312, 51.8119



10.0677, 10.8268, 12.8440



11.4999, 12.7563, 35.4127



0.5590, 0.6753, 1.5508

Inverse Universe

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



27.3264, 14.2854, 25.3624



47.1644, 23.5221, 37.9915



36.2848, 39.1463, 6.9412



10.3455, 10.1868, 11.9099



17.2006, 8.5700, 14.2343



0.7745, 0.3828, 0.7800

Previews

White Background



This preview shows how the XYZ color 19.3912, 22.3633, 54.3335 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 19.3912, 22.3633, 54.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

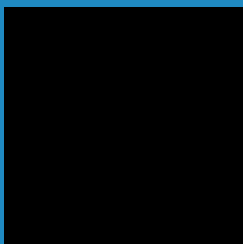
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

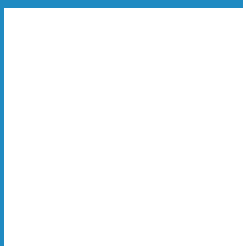
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3912, 22.3633, 54.3335

Background



This preview shows how black text looks on a background with the XYZ color 19.3912, 22.3633, 54.3335.

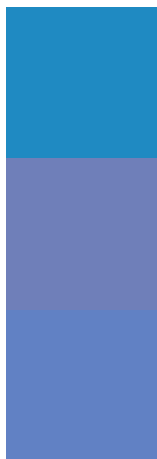


This preview shows how white text looks on a background with the XYZ color 19.3912, 22.3633,

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

19.3912, 22.3633, 54.3335

Protanopia

22.9019, 22.0610, 48.9501

Deuteranopia

22.7438, 22.2274, 55.3161



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

19.3912, 22.3633, 54.3335

Protanomaly

20.6731, 21.6573, 50.6676

Deuteranomaly

20.8492, 21.8591, 54.7501

Tritanomaly

16.9724, 22.2817, 40.9424

Monochromacy



Original Color

19.3912, 22.3633, 54.3335

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.2871, 17.4667, 28.1569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3912, 22.3633, 54.3335 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(31, 138, 194)` looks like.

```
.text, #text, p{  
    color:rgb(31, 138, 194)  
}
```

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(31, 138, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 138, 194) }
```

Border

The CSS property to change the border of an element to XYZ 19.3912, 22.3633, 54.3335 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(31, 138, 194) }
```


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

```
.border{ border-color:rgb(31, 138, 194) }
```

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

Here you see how a box with a 4 pixel rgb(31, 138, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 138, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 138, 194);  
box-shadow:4px 4px 4px 4px rgb(31, 138,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3912, 22.3633, 54.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 138, 194) }
```

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

```
.background{ background-color: rgb(31, 138,  
194) }
```

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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