

Converting Colors

XYZ(8.9834, 17.2613, 55.1635)

Have a look what the booklet for
XYZ(8.9834, 17.2613, 55.1635)
contains.

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Color

**XYZ(19.1964, 22.4508,
55.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	008BC4
RGB	0, 139, 196
RGB Percent	0%, 55%, 77%
CMY	0.9999, 0.4549, 0.2314
CMYK	1.00, 0.29, 0.00, 0.23
HSL	197°, 100%, 38%
HSV	197°, 100%, 77%
XYZ	19.1964, 22.4508, 55.5462
YIQ	103.9370, -101.1410, -11.7410

Conversions

Conversions Part 2

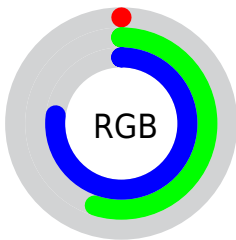
Format	Color
R_{YB}	0, 81, 196
Decimal	35780
CIE _{Lab}	54.50, -10.53, -38.25
CIE _{LCh}	55, 39.674, 254.607
Yxy	22.4508, 0.1975, 0.2310
Android (android.graphics.Color)	4278225860 (0xFF008BC4)
YUV	103.9370, 45.3871, -91.1527
Hunter-Lab	47.3823, -10.6017, -36.3380

Details

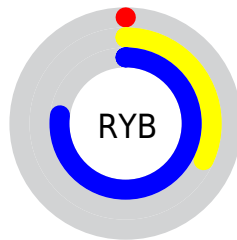
The XYZ color **19.1964, 22.4508, 55.5462** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.2303, 14.6658, 1.5548**, and the grayscale version is **13.0465, 13.7259, 14.9475**.

A 20% lighter version of the original color is **41.5090, 47.3325, 99.8768**, and **8.4549, 9.0978, 26.9016** is the 20% darker color. If you saturate the color by 10%, you get **19.1952, 22.4481, 55.5462**, and if you desaturate by 10%, it is **20.3251, 24.2906, 55.8423**.

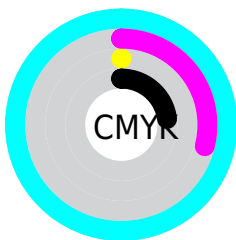
Distribution



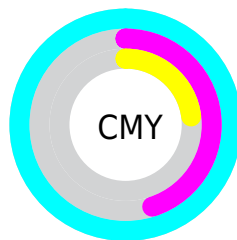
- Red (0%)
- Green (55%)
- Blue (77%)



- Red (0%)
- Yellow (32%)
- Blue (77%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (45%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1964, 22.4508, 55.5462 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 19.1964, 22.4508, 55.5462 by changing the saturation by 10% instead.

■ 19.1964, 22.4508,
55.5462

■ 19.1964, 22.4508,
55.5462

240.4482,
264.8915, 425.3192

■ 11.9171, 14.1885,
39.4376

■ 41.5800, 47.4900,
99.8199

■ 6.7591, 8.2519,
26.7899

■ 57.4151, 65.0356,
128.8222

■ 3.3569, 4.2566,
17.1845

■ 76.8328, 86.4445,
162.9594

■ 1.3452, 1.8181,
10.2027

■ 100.1984,
112.1010, 202.6502

■ 0.2166, 0.4984,
5.4262

■ 127.8775,
142.3896, 248.3130

■ 0.0000, 0.0000,
2.4364

■ 160.2352,

■ 0.0000, 0.0000,

177.6946, 300.3664

0.8062

197.6370,
218.4005, 359.2290

■ 0.0000, 0.0000,
0.0000

■ 19.1964, 22.4508,
55.5462

■ 19.1964, 22.4508,
55.5462

■ 19.1952, 22.4481,
55.5462

■ 20.3251, 24.2906,
55.8423

■ 21.7805, 26.3633,
56.1657

■ 23.6640, 28.7225,
56.5218

■ 26.0279, 31.3961,
56.9132

■ 28.9168, 34.4078,
57.3423

■ 32.3695, 37.7787,
57.8110

■ 36.4214, 41.5277,
58.3210

■ 41.1044, 45.6723,
58.8742

■ 46.4485, 50.2285,
59.4720

Harmonies

Analogous

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



15.9246, 22.4508, 45.4010



19.1964, 22.4508, 55.5462



23.5168, 22.4508, 55.6931

Triad

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



19.1964, 22.4508, 55.5462



30.4912, 22.4508, 18.8918



15.9913, 22.4508, 11.0573

Complementary

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



19.1964, 22.4508, 55.5462



24.2303, 14.6658, 1.5548

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.



19.2997, 22.4508, 7.8283



19.1964, 22.4508, 55.5462



27.8592, 22.4508, 11.1946

Square

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



19.1964, 22.4508, 55.5462



30.4536, 22.4508, 31.3647



23.6350, 22.4508, 7.8681



14.2526, 22.4508, 18.6263

Rectangle

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



19.1964, 22.4508, 55.5462



26.4463, 22.4508, 49.9122



23.6350, 22.4508, 7.8681



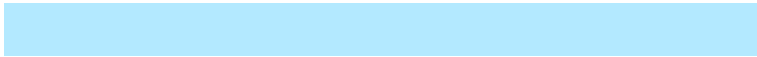
16.9353, 22.4508, 9.5628

Sweetspot

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



19.1972, 22.4515, 55.5468



65.5929, 74.8799, 105.6039



20.4437, 39.7617, 10.2826



13.3426, 15.3897, 22.5172



0.0000, 0.0000, 0.0000



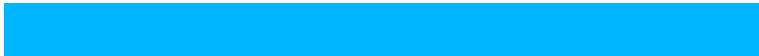
20.3446, 21.4041, 23.3091

Same Dimension

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



19.1972, 22.4515, 55.5468



34.5391, 40.1983, 100.5464



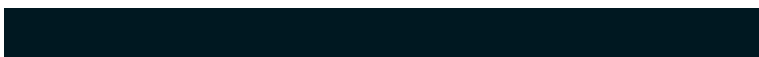
10.8100, 5.6772, 52.7510



10.1131, 10.9175, 12.8591



12.4107, 14.5780, 35.7163



0.5932, 0.7438, 1.5622

Inverse Universe

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



27.4259, 13.6008, 25.6065



49.5630, 24.5892, 45.7581



34.2455, 34.6963, 4.8932



10.3684, 10.1960, 12.0304



17.6603, 8.7539, 16.6553



0.7918, 0.3897, 0.8710

Previews

White Background



This preview shows how the XYZ color 19.1964, 22.4508, 55.5462 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 19.1964, 22.4508, 55.5462 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 19.1964, 22.4508, 55.5462

Background



This preview shows how black text looks on a background with the XYZ color 19.1964, 22.4508, 55.5462.

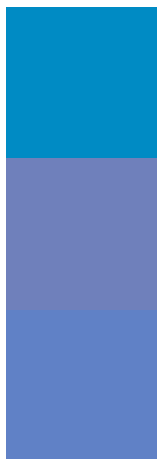


This preview shows how white text looks on a background with the XYZ color 19.1964, 22.4508,

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

19.1964, 22.4508, 55.5462

Protanopia

23.2444, 22.4057, 50.1133

Deuteranopia

22.8672, 22.2645, 56.5183



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

19.1964, 22.4508, 55.5462

Protanomaly

20.1441, 21.5598, 51.8150

Deuteranomaly

20.3900, 21.7984, 55.9562

Tritanomaly

16.9287, 22.2483, 41.4323

Monochromacy



Original Color

19.1964, 22.4508, 55.5462

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1234, 15.6870, 26.0031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1964, 22.4508, 55.5462 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, 139, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 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, 139, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 196) }
```

Border

The CSS property to change the border of an element to XYZ 19.1964, 22.4508, 55.5462 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, 139, 196) }
```


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

```
.border{ border-color:rgb(0, 139, 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, 139, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1964, 22.4508, 55.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 196) }
```

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

```
.background{ background-color: rgb(0, 139,  
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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