

Converting Colors

XYZ(19.1891, 20.8523, 43.8899)

Have a look what the booklet for
XYZ(19.1891, 20.8523, 43.8899)
contains.

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Color

**XYZ(19.2124, 20.8492,
44.0860)**

Conversions

Conversions Part 1

Format	Color
Hex	5182B0
RGB	81, 130, 176
RGB Percent	32%, 51%, 69%
CMY	0.6823, 0.4902, 0.3098
CMYK	0.54, 0.26, 0.00, 0.31
HSL	209°, 38%, 50%
HSV	209°, 54%, 69%
XYZ	19.2124, 20.8492, 44.0860
YIQ	120.5930, -43.9700, 3.9180

Conversions

Conversions Part 2

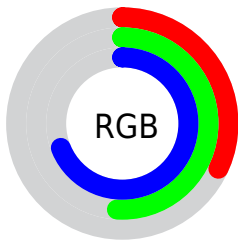
Format	Color
RYP	81, 113, 176
Decimal	5341872
CIELab	52.78, -3.04, -29.37
CIElCh	53, 29.524, 264.082
Yxy	20.8492, 0.2283, 0.2478
Android (android.graphics.Color)	4283531952 (0xFF5182B0)
YUV	120.5930, 27.3157, -34.7231
Hunter-Lab	45.6609, -4.8005, -25.2823

Details

The XYZ color **19.2124, 20.8492, 44.0860** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.9797, 25.0037, 11.1895**, and the grayscale version is **17.9685, 18.9042, 20.5867**.

A 20% lighter version of the original color is **41.6523, 44.9274, 82.8205**, and **6.7487, 7.4341, 19.8181** is the 20% darker color. If you saturate the color by 10%, you get **16.8082, 17.9964, 43.6625**, and if you desaturate by 10%, it is **22.1028, 24.0928, 44.5601**.

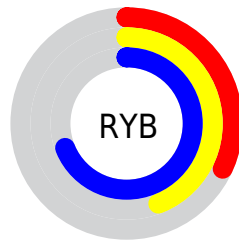
Distribution



Red (32%)

Green (51%)

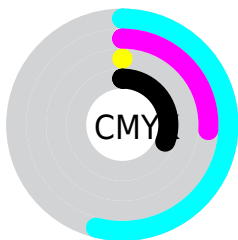
Blue (69%)



Red (32%)

Yellow (44%)

Blue (69%)

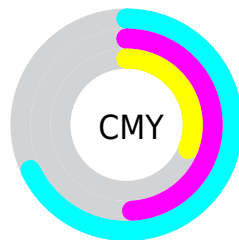


Cyan (54%)

Magenta (26%)

Yellow (0%)

Black (31%)



Cyan (68%)

Magenta (49%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2124, 20.8492, 44.0860 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 19.2124, 20.8492, 44.0860 by changing the saturation by 10% instead.

■ 19.2124, 20.8492,
44.0860

■ 19.2124, 20.8492,
44.0860

240.5345,
256.4760, 379.1107

■ 11.9288, 13.0138,
30.4004

■ 41.6068, 44.8364,
82.6510

■ 6.7670, 7.4381,
19.8881

■ 57.4483, 61.7571,
108.3675

■ 3.3619, 3.7375,
12.1305

■ 76.8731, 82.4749,
138.9314

■ 1.3479, 1.5279,
6.7090

■ 100.2466,
107.3743, 174.7612

■ 0.2186, 0.3082,
3.2051

■ 127.9341,
136.8398, 216.2755

■ 0.0000, 0.0000,
1.2003

160.3010,

■ 0.0000, 0.0000,

171.2556, 263.8929

0.0000

197.7127,
211.0062, 318.0317

■ 19.2124, 20.8492,
44.0860

■ 19.2124, 20.8492,
44.0860

■ 16.8082, 17.9964,
43.6625

■ 22.1028, 24.0928,
44.5601

■ 14.8549, 15.5118,
43.2858

■ 25.5071, 27.7435,
45.0854

■ 13.3153, 13.3730,
42.9542

■ 29.4530, 31.8193,
45.6641

■ 12.1444, 11.5531,
42.6646

■ 33.9659, 36.3361,
46.2981

■ 11.5588, 10.5791,
42.5075

■ 39.0691, 41.3090,
46.9890

■ 44.7847, 46.7523,
47.7384

■ 51.1337, 52.6794,
48.5478

■ 58.1359, 59.1035,
49.4187

■ 65.8104, 66.0369,
50.3525

Harmonies

Analogous

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



16.5426, 20.8492, 39.3863



19.2124, 20.8492, 44.0860



22.3316, 20.8492, 41.9646

Triad

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



19.2124, 20.8492, 44.0860



25.7275, 20.8492, 16.4620



15.3984, 20.8492, 14.1371

Complementary

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



19.2124, 20.8492, 44.0860



26.9797, 25.0037, 11.1895

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.



17.4977, 20.8492, 10.4740



19.2124, 20.8492, 44.0860



23.4962, 20.8492, 11.5528

Square

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



19.2124, 20.8492, 44.0860



26.3075, 20.8492, 24.4946



20.4332, 20.8492, 9.6684



14.4921, 20.8492, 20.9976

Rectangle

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



19.2124, 20.8492, 44.0860



24.2269, 20.8492, 37.1883



20.4332, 20.8492, 9.6684



15.9768, 20.8492, 12.5703

Sweetspot

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



19.2131, 20.8500, 44.0865



59.6226, 63.9407, 83.6946



22.7446, 34.3307, 25.4787



12.5588, 13.4960, 18.0874



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.2131, 20.8500, 44.0865



29.6509, 31.6095, 79.0338



14.2920, 11.0076, 42.4461



8.3923, 8.9309, 10.7878



8.5397, 7.8797, 31.2078



0.3268, 0.3641, 1.0013

Inverse Universe

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



24.8768, 16.7274, 23.0374



41.4741, 24.9689, 34.6519



34.6069, 40.2580, 13.7319



8.6732, 8.5760, 9.7776



14.5451, 7.3356, 8.0304



0.4870, 0.2425, 0.4071

Previews

White Background



This preview shows how the XYZ color 19.2124, 20.8492, 44.0860 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 19.2124, 20.8492, 44.0860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

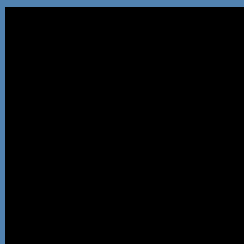
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

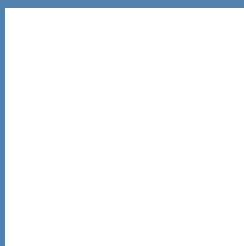
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2124, 20.8492, 44.0860

Background



This preview shows how black text looks on a background with the XYZ color 19.2124, 20.8492, 44.0860.

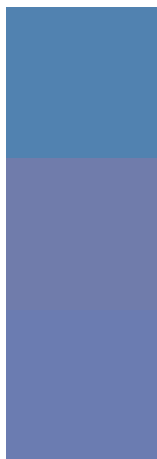


This preview shows how white text looks on a background with the XYZ color 19.2124, 20.8492,

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

19.2124, 20.8492, 44.0860

Protanopia

21.2404, 20.8003, 41.4234

Deuteranopia

21.2069, 20.7154, 44.4757



Tritanopia

16.3781, 20.7054, 30.3274

Trichromacy



Original Color

19.2124, 20.8492, 44.0860

Protanomaly

20.3705, 20.7055, 42.4581

Deuteranomaly

20.4337, 20.6927, 44.5121

Tritanomaly

17.2974, 20.6652, 34.9754

Monochromacy



Original Color

19.2124, 20.8492, 44.0860

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9592, 19.4026, 27.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2124, 20.8492, 44.0860 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(81, 130, 176)` looks like.

```
.text, #text, p{  
    color:rgb(81, 130, 176)  
}
```

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(81, 130, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 130, 176) }
```

Border

The CSS property to change the border of an element to XYZ 19.2124, 20.8492, 44.0860 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(81, 130, 176) }
```


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

```
.border{ border-color:rgb(81, 130, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 130, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 130, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 130, 176);  
box-shadow:4px 4px 4px 4px rgb(81, 130,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2124, 20.8492, 44.0860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 130, 176) }
```

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

```
.background{ background-color: rgb(81, 130,  
176) }
```

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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