

Converting Colors

XYZ(20.2124, 24.0057, 38.6907)

Have a look what the booklet for
XYZ(20.2124, 24.0057, 38.6907)
contains.

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Color

**XYZ(20.2116, 24.0048,
38.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	568EA4
RGB	86, 142, 164
RGB Percent	34%, 56%, 64%
CMY	0.6627, 0.4431, 0.3569
CMYK	0.48, 0.13, 0.00, 0.36
HSL	197°, 31%, 49%
HSV	197°, 48%, 64%
XYZ	20.2116, 24.0048, 38.6901
YIQ	127.7640, -40.4380, -5.0300

Conversions

Conversions Part 2

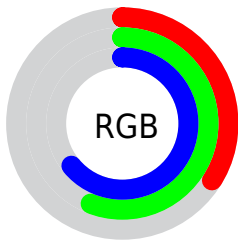
Format	Color
R _Y B	86, 119, 164
Decimal	5672612
CIE Lab	56.09, -12.30, -17.36
CIE LCh	56, 21.279, 234.675
Yxy	24.0048, 0.2438, 0.2895
Android (android.graphics.Color)	4283862692 (0xFF568EA4)
YUV	127.7640, 17.8643, -36.6270
Hunter-Lab	48.9947, -12.1048, -12.5238

Details

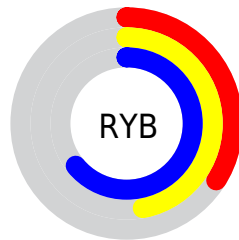
The XYZ color **20.2116, 24.0048, 38.6901** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3526, 19.2901, 11.3501**, and the grayscale version is **20.3869, 21.4486, 23.3576**.

A 20% lighter version of the original color is **43.3413, 50.1698, 74.4172**, and **7.2872, 9.1002, 16.7017** is the 20% darker color. If you saturate the color by 10%, you get **18.1975, 21.9665, 38.4032**, and if you desaturate by 10%, it is **22.6022, 26.2807, 39.0038**.

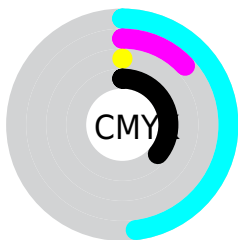
Distribution



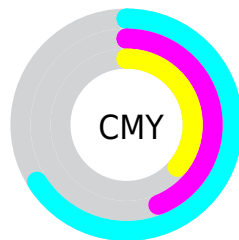
- Red (34%)
- Green (56%)
- Blue (64%)



- Red (34%)
- Yellow (47%)
- Blue (64%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (36%)



- Cyan (66%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2116, 24.0048, 38.6901 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 20.2116, 24.0048, 38.6901 by changing the saturation by 10% instead.

■ 20.2116, 24.0048,
38.6901

■ 20.2116, 24.0048,
38.6901

245.8701,
272.8447, 355.9577

■ 12.6581, 15.3372,
26.2128

■ 43.2729, 50.0380,
74.3798

■ 7.2689, 9.0564,
16.7557

■ 59.5114, 68.1724,
98.4292

■ 3.6787, 4.7780,
9.9003

■ 79.3757, 90.2312,
127.1730

■ 1.5220, 2.1176,
5.2282

■ 103.2310,
116.5988, 161.0298

■ 0.3407, 0.6745,
2.3207

131.4427,
147.6595, 200.4182

■ 0.0000, 0.0000,
0.7428

164.3763,

■ 0.0000, 0.0000,

183.7978, 245.7566

0.0000

202.3969,
225.3981, 297.4636

■ 20.2116, 24.0048,
38.6901

■ 20.2116, 24.0048,
38.6901

■ 18.1975, 21.9665,
38.4032

■ 22.6022, 26.2807,
39.0038

■ 16.5334, 20.1499,
38.1403

■ 25.3892, 28.8033,
39.3439

■ 15.1925, 18.5413,
37.9005

■ 28.5936, 31.5845,
39.7118

■ 14.1429, 17.1238,
37.6822

■ 32.2342, 34.6345,
40.1086

■ 13.3330, 15.8701,
37.4829

■ 36.3288, 37.9628,
40.5352

■ 13.1495, 15.5775,
37.4361

■ 40.8939, 41.5785,
40.9925

■ 45.9454, 45.4902,
41.4813

■ 51.4983, 49.7061,
42.0024

■ 57.5669, 54.2341,
42.5565

Harmonies

Analogous

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



18.8163, 24.0048, 32.1511



20.2116, 24.0048, 38.6901



22.3836, 24.0048, 41.9103

Triad

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



20.2116, 24.0048, 38.6901



27.8081, 24.0048, 27.4028



20.9145, 24.0048, 15.7385

Complementary

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



20.2116, 24.0048, 38.6901



22.3526, 19.2901, 11.3501

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.



23.2536, 24.0048, 14.9204



20.2116, 24.0048, 38.6901



27.3455, 24.0048, 20.9242

Square

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



20.2116, 24.0048, 38.6901



26.8576, 24.0048, 34.6924



25.6347, 24.0048, 16.6436



19.2014, 24.0048, 19.1185

Rectangle

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



20.2116, 24.0048, 38.6901



24.0240, 24.0048, 41.3919



25.6347, 24.0048, 16.6436



21.6489, 24.0048, 15.1834

Sweetspot

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



20.2124, 24.0057, 38.6907



53.9904, 59.1004, 72.3142



19.7572, 29.5872, 18.5252



11.5166, 12.6780, 15.7776



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2124, 24.0057, 38.6907



32.8612, 39.6936, 69.6820



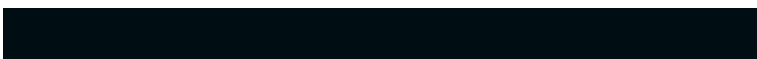
15.5097, 14.6005, 37.1231



7.1065, 7.6720, 9.0094



10.1240, 12.0275, 28.7177



0.2495, 0.3263, 0.6157

Inverse Universe

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



23.5208, 16.5018, 27.5377



39.8406, 25.2846, 45.8350



27.2382, 29.0612, 12.9786



7.2787, 7.1679, 8.4542



14.2556, 7.0583, 13.8026



0.3181, 0.1557, 0.3879

Previews

White Background



This preview shows how the XYZ color 20.2116, 24.0048, 38.6901 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 20.2116, 24.0048, 38.6901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

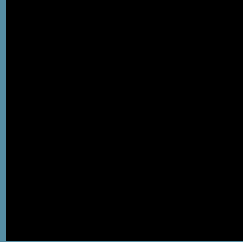
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2116, 24.0048, 38.6901

Background



This preview shows how black text looks on a background with the XYZ color 20.2116, 24.0048, 38.6901.



This preview shows how white text looks on a background with the XYZ color 20.2116, 24.0048,

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

20.2116, 24.0048, 38.6901

Protanopia

23.6123, 23.9108, 35.7185

Deuteranopia

24.2052, 23.7316, 39.3813



Tritanopia

19.4569, 24.1521, 34.6467

Trichromacy



Original Color

20.2116, 24.0048, 38.6901

Protanomaly

21.9594, 23.6571, 36.6666

Deuteranomaly

22.3949, 23.6220, 38.9765

Tritanomaly

19.6502, 23.9984, 35.9442

Monochromacy



Original Color

20.2116, 24.0048, 38.6901

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0053, 22.2089, 28.4316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2116, 24.0048, 38.6901 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(86, 142, 164)` looks like.

```
.text, #text, p{  
    color:rgb(86, 142, 164)  
}
```

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(86, 142, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 142, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.2116, 24.0048, 38.6901 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(86, 142, 164) }
```


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

```
.border{ border-color:rgb(86, 142, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 142, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 142, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 142, 164);  
box-shadow:4px 4px 4px 4px rgb(86, 142,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2116, 24.0048, 38.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 142, 164) }
```

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

```
.background{ background-color: rgb(86, 142,  
164) }
```

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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