

Converting Colors

XYZ(20.4912, 21.3899, 40.5848)

Have a look what the booklet for
XYZ(20.4912, 21.3899, 40.5848)
contains.

XYZ(20.4912, 21.3899, 40.5848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4912, 21.3899,
40.5848)**

Conversions

Conversions Part 1

Format	Color
Hex	6681A9
RGB	102, 129, 169
RGB Percent	40%, 51%, 66%
CMY	0.6000, 0.4941, 0.3373
CMYK	0.40, 0.24, 0.00, 0.34
HSL	216°, 28%, 53%
HSV	216°, 40%, 66%
XYZ	20.4912, 21.3899, 40.5848
YIQ	125.4870, -28.9320, 6.7160

Conversions

Conversions Part 2

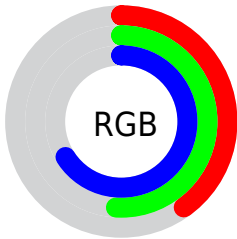
Format	Color
R_{YB}	102, 121, 169
Decimal	6717865
CIE Lab	53.37, 0.79, -24.32
CIE LCh	53, 24.337, 271.851
Yxy	21.3899, 0.2485, 0.2594
Android (android.graphics.Color)	4284907945 (0xFF6681A9)
YUV	125.4870, 21.4519, -20.5981
Hunter-Lab	46.2492, -1.8498, -19.6540

Details

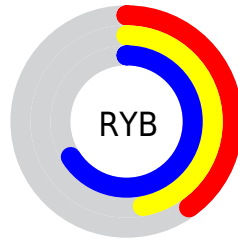
The XYZ color **20.4912, 21.3899, 40.5848** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.4340, 28.7409, 16.6201**, and the grayscale version is **19.5947, 20.6151, 22.4498**.

A 20% lighter version of the original color is **43.7001, 45.8063, 77.0593**, and **7.4448, 7.7255, 17.9284** is the 20% darker color. If you saturate the color by 10%, you get **17.5036, 17.9737, 40.0832**, and if you desaturate by 10%, it is **24.0019, 25.2716, 41.1494**.

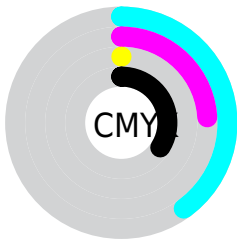
Distribution



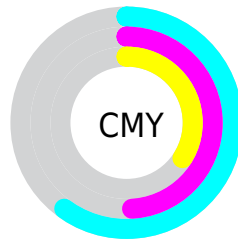
- Red (40%)
- Green (51%)
- Blue (66%)



- Red (40%)
- Yellow (47%)
- Blue (66%)



- Cyan (40%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (60%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4912, 21.3899, 40.5848 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 20.4912, 21.3899, 40.5848 by changing the saturation by 10% instead.

■ 20.4912, 21.3899,
40.5848

■ 20.4912, 21.3899,
40.5848

247.3452,
259.3434, 364.2074

■ 12.8629, 13.4093,
27.6775

■ 43.7369, 45.7355,
77.3000

■ 7.4106, 7.7110,
17.8458

■ 60.0850, 62.8694,
101.9451

■ 3.7688, 3.9106,
10.6710

■ 80.0705, 83.8231,
131.3398

■ 1.5722, 1.6237,
5.7347

■ 104.0586,
108.9810, 165.9027

■ 0.3742, 0.3735,
2.6183

132.4148,
138.7277, 206.0524

■ 0.0000, 0.0000,
0.9019

165.5044,

■ 0.0000, 0.0000,

173.4473, 252.2074

0.0000

203.6928,
213.5244, 304.7862

■ 20.4912, 21.3899,
40.5848

■ 20.4912, 21.3899,
40.5848

■ 17.5036, 17.9737,
40.0832

■ 24.0019, 25.2716,
41.1494

■ 15.0094, 15.0005,
39.6408

■ 28.0591, 29.6347,
41.7777

■ 12.9787, 12.4496,
39.2555

■ 32.6872, 34.4976,
42.4724

■ 11.3774, 10.2973,
38.9244

■ 37.9086, 39.8768,
43.2355

■ 10.1657, 8.5164,
38.6446

■ 43.7442, 45.7878,
44.0689

■ 9.2644, 7.0593,
38.4108

■ 50.2140, 52.2456,
44.9744

■ 9.2350, 7.0116,
38.4032

■ 57.3371, 59.2646,
45.9537

■ 65.1318, 66.8585,
47.0087

■ 73.6154, 75.0407,
48.1409

Harmonies

Analogous

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



18.0773, 21.3899, 38.2085



20.4912, 21.3899, 40.5848



23.0642, 21.3899, 37.5734

Triad

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



20.4912, 21.3899, 40.5848



24.8453, 21.3899, 16.5644



16.2601, 21.3899, 17.2062

Complementary

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



20.4912, 21.3899, 40.5848



28.4340, 28.7409, 16.6201

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.



17.8218, 21.3899, 13.1809



20.4912, 21.3899, 40.5848



22.7634, 21.3899, 12.8692

Square

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



20.4912, 21.3899, 40.5848



25.7065, 21.3899, 22.8338



20.1706, 21.3899, 11.7745



15.7617, 21.3899, 23.7521

Rectangle

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



20.4912, 21.3899, 40.5848



24.4894, 21.3899, 33.2218



20.1706, 21.3899, 11.7745



16.6712, 21.3899, 15.5657

Sweetspot

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



20.4919, 21.3907, 40.5853



56.3093, 59.4563, 75.7335



24.4820, 33.1268, 30.3363



12.0461, 12.7214, 16.4727



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.4919, 21.3907, 40.5853



31.7350, 32.6405, 71.8527



18.0473, 15.5302, 39.5830



7.3707, 7.7783, 9.5312



6.9325, 5.3252, 28.6380



0.2191, 0.2304, 0.7136

Inverse Universe

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



25.0766, 19.5235, 23.2165



41.3646, 29.5652, 35.1820



31.7765, 37.1663, 18.0702



7.6517, 7.5905, 8.4831



12.9998, 6.6086, 4.8105



0.3417, 0.1710, 0.2511

Previews

White Background



This preview shows how the XYZ color 20.4912, 21.3899, 40.5848 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 20.4912, 21.3899, 40.5848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

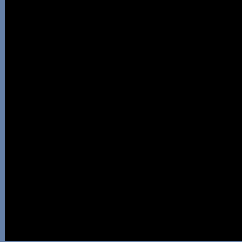
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

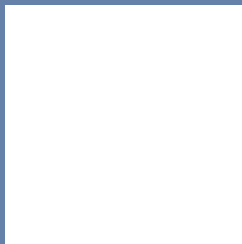
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4912, 21.3899, 40.5848

Background



This preview shows how black text looks on a background with the XYZ color 20.4912, 21.3899, 40.5848.

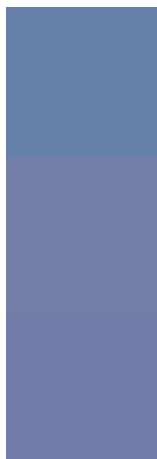


This preview shows how white text looks on a background with the XYZ color 20.4912, 21.3899,

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

20.4912, 21.3899, 40.5848

Protanopia

21.6384, 21.4247, 39.5541

Deuteranopia

21.7918, 21.2825, 40.9896



Tritanopia

18.3830, 21.5506, 29.5764

Trichromacy



Original Color

20.4912, 21.3899, 40.5848

Protanomaly

21.2128, 21.3854, 40.0555

Deuteranomaly

21.2721, 21.2035, 41.0017

Tritanomaly

19.0380, 21.3991, 33.2640

Monochromacy



Original Color

20.4912, 21.3899, 40.5848

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6047, 20.6267, 28.1474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4912, 21.3899, 40.5848 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(102, 129, 169)` looks like.

```
.text, #text, p{  
    color:rgb(102, 129, 169)  
}
```

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(102, 129, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 129, 169) }
```

Border

The CSS property to change the border of an element to XYZ 20.4912, 21.3899, 40.5848 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(102, 129, 169) }
```


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

```
.border{ border-color:rgb(102, 129, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 129, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 129, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 129, 169);  
box-shadow:4px 4px 4px 4px rgb(102, 129,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4912, 21.3899, 40.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 129, 169) }
```

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

```
.background{ background-color: rgb(102,  
129, 169) }
```

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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