

Converting Colors

XYZ(15.9941, 20.3048, 20.8455)

Have a look what the booklet for
XYZ(15.9941, 20.3048, 20.8455)
contains.

XYZ(15.9941, 20.3048, 20.8455)	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(15.9941, 20.3048,
20.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8578
RGB	90, 133, 120
RGB Percent	35%, 52%, 47%
CMY	0.6471, 0.4784, 0.5294
CMYK	0.32, 0.00, 0.10, 0.48
HSL	162°, 19%, 44%
HSV	162°, 32%, 52%
XYZ	15.9941, 20.3048, 20.8455
YIQ	118.6610, -21.4550, -13.1590

Conversions

Conversions Part 2

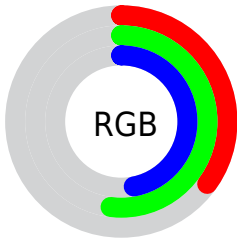
Format	Color
R_{YB}	90, 115, 133
Decimal	5932408
CIE _{Lab}	52.18, -17.84, 2.28
CIE _{LCh}	52, 17.982, 172.708
Yxy	20.3048, 0.2799, 0.3553
Android (android.graphics.Color)	4284122488 (0xFF5A8578)
YUV	118.6610, 0.6601, -25.1357
Hunter-Lab	45.0608, -15.4989, 4.1146

Details

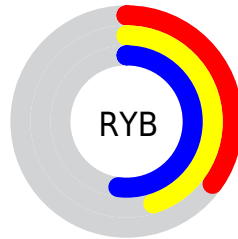
The XYZ color **15.9941, 20.3048, 20.8455** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7779, 13.2786, 14.5641**, and the grayscale version is **17.4308, 18.3385, 19.9707**.

A 20% lighter version of the original color is **35.9898, 43.7591, 45.5792**, and **5.1774, 7.1258, 7.2334** is the 20% darker color. If you saturate the color by 10%, you get **14.5756, 19.6017, 19.5320**, and if you desaturate by 10%, it is **17.6555, 21.1330, 22.2247**.

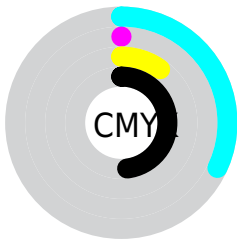
Distribution



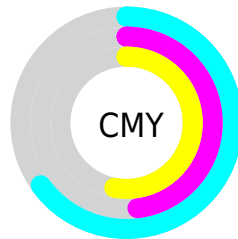
- Red (35%)
- Green (52%)
- Blue (47%)



- Red (35%)
- Yellow (45%)
- Blue (52%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9941, 20.3048, 20.8455 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 15.9941, 20.3048, 20.8455 by changing the saturation by 10% instead.

■ 15.9941, 20.3048,
20.8455

■ 15.9941, 20.3048,
20.8455

222.5780,
253.5604, 269.2103

■ 9.6108, 12.6168,
12.8210

■ 36.1455, 43.9276,
45.7077

■ 5.2020, 7.1652,
7.1761

■ 50.6443, 60.6312,
63.3825

■ 2.4022, 3.5656,
3.4924

■ 68.5790, 81.1088,
85.1111

■ 0.8462, 1.4337,
1.3512

■ 90.3149, 105.7448,
111.3120

■ 0.0000, 0.2413,
0.1032

116.2174,
134.9235, 142.4039

■ 0.0000, 0.0000,
0.0000

146.6518,

169.0295, 178.8052

181.9836,
208.4470, 220.9345

■ 15.9941, 20.3048,
20.8455

■ 15.9941, 20.3048,
20.8455

■ 14.5756, 19.6017,
19.5320

■ 17.6555, 21.1330,
22.2247

■ 13.3858, 19.0147,
18.2817

■ 19.5698, 22.0899,
23.6695

■ 12.4116, 18.5379,
17.0937

■ 21.7481, 23.1816,
25.1814

■ 11.6381, 18.1632,
15.9666

■ 24.2007, 24.4136,
26.7616

■ 11.0479, 17.8820,
14.8989

■ 26.9372, 25.7906,
28.4111

■ 10.6210, 17.6838,
13.8891

■ 29.9668, 27.3175,
30.1309

■ 10.3543, 17.5624,
13.1510

■ 33.2981, 28.9986,
31.9219

■ 36.9395, 30.8384,
33.7853

■ 40.8991, 32.8409,
35.7219

Harmonies

Analogous

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



16.6157, 20.3048, 16.5135



15.9941, 20.3048, 20.8455



16.2121, 20.3048, 26.2609

Triad

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



15.9941, 20.3048, 20.8455



20.6992, 20.3048, 32.8507



21.5261, 20.3048, 14.9794

Complementary

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



15.9941, 20.3048, 20.8455



15.7779, 13.2786, 14.5641

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.



22.7551, 20.3048, 18.4186



15.9941, 20.3048, 20.8455



22.2569, 20.3048, 28.8429

Square

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



15.9941, 20.3048, 20.8455



18.8529, 20.3048, 33.7764



23.0307, 20.3048, 23.4215



19.7523, 20.3048, 13.4945

Rectangle

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



15.9941, 20.3048, 20.8455



16.8112, 20.3048, 29.7286



23.0307, 20.3048, 23.4215



22.0211, 20.3048, 15.9163

Sweetspot

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



15.9947, 20.3056, 20.8460



35.8248, 39.9477, 42.9451



15.8981, 20.4343, 12.7793



7.9708, 8.9497, 9.6036



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.9947, 20.3056, 20.8460



26.6833, 35.3895, 35.5411



15.7991, 18.5647, 24.9420



4.7432, 5.2555, 5.6591



9.8659, 16.7292, 12.5453



0.0374, 0.0593, 0.0606

Inverse Universe

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



15.7779, 13.2786, 14.5641



26.2331, 20.7035, 22.4271



15.8757, 14.4388, 11.6233



4.7263, 4.7102, 5.1708



9.5852, 4.8984, 2.3878



0.0361, 0.0181, 0.0237

Previews

White Background



This preview shows how the XYZ color 15.9941, 20.3048, 20.8455 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 15.9941, 20.3048, 20.8455 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 15.9941, 20.3048, 20.8455

Background



This preview shows how black text looks on a background with the XYZ color 15.9941, 20.3048, 20.8455.



This preview shows how white text looks on a background with the XYZ color 15.9941, 20.3048,

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

15.9941, 20.3048, 20.8455

Protanopia

19.2043, 20.2423, 19.1146

Deuteranopia

20.4450, 20.0972, 21.5405



Tritanopia

17.4356, 20.2916, 27.8087

Trichromacy



Original Color

15.9941, 20.3048, 20.8455

Protanomaly

17.7397, 20.0405, 19.7628

Deuteranomaly

18.4542, 19.9943, 21.2990

Tritanomaly

16.8641, 20.2532, 25.2107

Monochromacy



Original Color

15.9941, 20.3048, 20.8455

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7218, 18.9354, 20.2263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9941, 20.3048, 20.8455 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(90, 133, 120)` looks like.

```
.text, #text, p{  
    color:rgb(90, 133, 120)  
}
```

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(90, 133, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 133, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.9941, 20.3048, 20.8455 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(90, 133, 120) }
```


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

```
.border{ border-color:rgb(90, 133, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 133, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 133, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 133, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 133,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9941, 20.3048, 20.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 133, 120) }
```

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

```
.background{ background-color: rgb(90, 133,  
120) }
```

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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