

Converting Colors

XYZ(20.0711, 20.2282, 28.6087)

Have a look what the booklet for
XYZ(20.0711, 20.2282, 28.6087)
contains.

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Color

**XYZ(20.1338, 20.3299,
28.4541)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B8E
RGB	123, 123, 142
RGB Percent	48%, 48%, 56%
CMY	0.5176, 0.5176, 0.4431
CMYK	0.13, 0.13, 0.00, 0.44
HSL	240°, 8%, 52%
HSV	240°, 13%, 56%
XYZ	20.1338, 20.3299, 28.4541
YIQ	125.1660, -6.0990, 5.9090

Conversions

Conversions Part 2

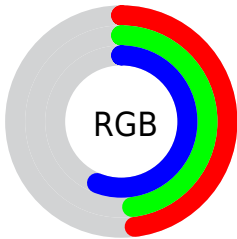
Format	Color
R_{YB}	123, 123, 142
Decimal	8092558
CIE Lab	52.21, 4.06, -10.27
CIE LCh	52, 11.039, 291.558
Yxy	20.3299, 0.2921, 0.2950
Android (android.graphics.Color)	4286282638 (0xFF7B7B8E)
YUV	125.1660, 8.2992, -1.8996
Hunter-Lab	45.0887, 0.8018, -5.8540

Details

The XYZ color **20.1338, 20.3299, 28.4541** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.4035, 26.5265, 22.5731**, and the grayscale version is **19.5238, 20.5405, 22.3687**.

A 20% lighter version of the original color is **43.1983, 43.8756, 58.4166**, and **7.2046, 7.1261, 11.1210** is the 20% darker color. If you saturate the color by 10%, you get **16.6126, 16.0873, 27.8211**, and if you desaturate by 10%, it is **24.2064, 25.2371, 29.1870**.

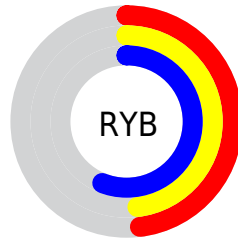
Distribution



Red (48%)

Green (48%)

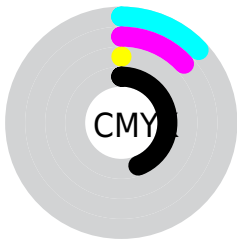
Blue (56%)



Red (48%)

Yellow (48%)

Blue (56%)

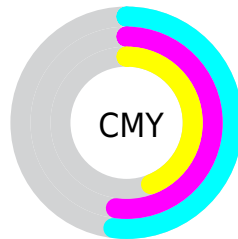


Cyan (13%)

Magenta (13%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (52%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1338, 20.3299, 28.4541 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 20.1338, 20.3299, 28.4541 by changing the saturation by 10% instead.

■ 20.1338, 20.3299,
28.4541

■ 20.1338, 20.3299,
28.4541

245.4583,
253.6955, 308.6104

■ 12.6012, 12.6351,
18.4262

■ 43.1436, 43.9696,
58.2404

■ 7.2296, 7.1777,
11.0838

■ 59.3515, 60.6833,
78.8360

■ 3.6537, 3.5735,
6.0084

■ 79.1819, 81.1720,
103.7911

■ 1.5081, 1.4380,
2.7813

103.0001,
105.8202, 133.5245

■ 0.3314, 0.2445,
0.9841

131.1715,
135.0122, 168.4545

■ 0.0000, 0.0000,
0.0000

164.0614,

169.1325, 208.9998

202.0352,
208.5655, 255.5789

■ 20.1338, 20.3299,
28.4541

■ 20.1338, 20.3299,
28.4541

■ 16.6126, 16.0873,
27.8211

■ 24.2064, 25.2371,
29.1870

■ 13.6173, 12.4783,
27.2824

■ 28.8507, 30.8330,
30.0223

■ 11.1234, 9.4732,
26.8338

■ 34.0883, 37.1436,
30.9643

■ 9.1033, 7.0392,
26.4704

■ 39.9390, 44.1930,
32.0166

■ 7.5272, 5.1401,
26.1869

■ 46.4218, 52.0040,
33.1826

■ 6.3617, 3.7356,
25.9773

■ 53.5548, 60.5984,
34.4655

■ 5.5685, 2.7798,
25.8346

■ 61.3554, 69.9972,
35.8686

■ 5.1024, 2.2181,
25.7507

■ 69.8405, 80.2205,
37.3947

■ 4.8827, 1.9534,
25.7112

■ 79.0261, 91.2880,
39.0467

Harmonies

Analogous

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



19.0052, 20.3299, 28.8920



20.1338, 20.3299, 28.4541



21.0783, 20.3299, 26.2419

Triad

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



20.1338, 20.3299, 28.4541



20.7080, 20.3299, 17.6037



17.2490, 20.3299, 21.2332

Complementary

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



20.1338, 20.3299, 28.4541



24.4035, 26.5265, 22.5731

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.



17.6678, 20.3299, 18.4821



20.1338, 20.3299, 28.4541



19.6443, 20.3299, 16.5246

Square

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



20.1338, 20.3299, 28.4541



21.4188, 20.3299, 19.9235



18.5342, 20.3299, 16.8298



17.3685, 20.3299, 24.5062

Rectangle

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



20.1338, 20.3299, 28.4541



21.4622, 20.3299, 24.1669



18.5342, 20.3299, 16.8298



17.3309, 20.3299, 20.2218

Sweetspot

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



20.1344, 20.3307, 28.4546



42.1480, 43.8554, 51.3714



22.7004, 25.5008, 29.1928



9.2984, 9.6561, 11.4532



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.1344, 20.3307, 28.4546



33.5721, 33.5223, 49.8289



21.5102, 21.0396, 28.5189



5.1297, 5.2551, 6.7727



4.3839, 1.7538, 23.0845



0.0419, 0.0168, 0.2207

Inverse Universe

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



21.8139, 21.3471, 21.7106



37.1158, 35.6669, 35.5995



22.8924, 25.7480, 22.5025



5.4089, 5.4241, 5.6514



10.0159, 5.1634, 0.4692



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 20.1338, 20.3299, 28.4541 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 20.1338, 20.3299, 28.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

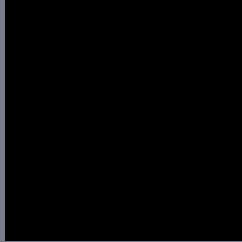
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

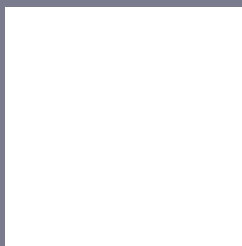
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1338, 20.3299, 28.4541

Background



This preview shows how black text looks on a background with the XYZ color 20.1338, 20.3299, 28.4541.



This preview shows how white text looks on a background with the XYZ color 20.1338, 20.3299,

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

20.1338, 20.3299, 28.4541

Protanopia

19.8506, 20.1839, 28.4408

Deuteranopia

20.6219, 20.2169, 28.4065



Tritanopia

19.5368, 20.2741, 25.4379

Trichromacy



Original Color

20.1338, 20.3299, 28.4541

Protanomaly

19.9915, 20.2565, 28.4474

Deuteranomaly

20.4462, 20.3077, 28.4333

Tritanomaly

19.7490, 20.3590, 26.5557

Monochromacy



Original Color

20.1338, 20.3299, 28.4541

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6166, 20.3391, 24.3647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1338, 20.3299, 28.4541 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(123, 123, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 142)  
}
```

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(123, 123, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.1338, 20.3299, 28.4541 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(123, 123, 142) }
```


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

```
.border{ border-color:rgb(123, 123, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1338, 20.3299, 28.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 142) }
```

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

```
.background{ background-color: rgb(123,  
123, 142) }
```

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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