

Converting Colors

XYZ(20.4383, 20.8272, 28.6008)

Have a look what the booklet for
XYZ(20.4383, 20.8272, 28.6008)
contains.

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Color

**XYZ(20.3845, 20.8312,
28.5376)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7D8E
RGB	123, 125, 142
RGB Percent	48%, 49%, 56%
CMY	0.5176, 0.5098, 0.4431
CMYK	0.13, 0.12, 0.00, 0.44
HSL	234°, 8%, 52%
HSV	234°, 13%, 56%
XYZ	20.3845, 20.8312, 28.5376
YIQ	126.3400, -6.6490, 4.8630

Conversions

Conversions Part 2

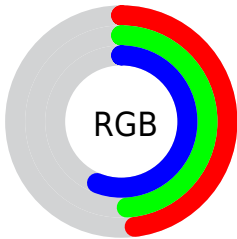
Format	Color
R_{YB}	123, 125, 142
Decimal	8093070
CIE Lab	52.76, 2.89, -9.43
CIE LCh	53, 9.866, 287.041
Yxy	20.8312, 0.2922, 0.2986
Android (android.graphics.Color)	4286283150 (0xFF7B7D8E)
YUV	126.3400, 7.7204, -2.9292
Hunter-Lab	45.6412, -0.1496, -5.1228

Details

The XYZ color **20.3845, 20.8312, 28.5376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.1087, 25.9369, 22.4750**, and the grayscale version is **19.9236, 20.9612, 22.8267**.

A 20% lighter version of the original color is **43.7887, 45.0564, 58.6134**, and **7.3402, 7.3974, 11.1662** is the 20% darker color. If you saturate the color by 10%, you get **16.9920, 16.8460, 27.9475**, and if you desaturate by 10%, it is **24.2787, 25.3815, 29.2110**.

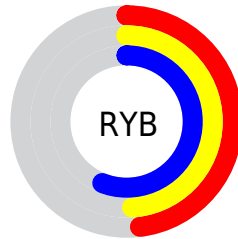
Distribution



Red (48%)

Green (49%)

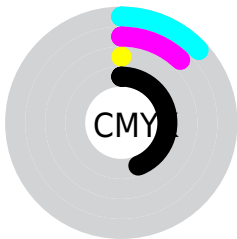
Blue (56%)



Red (48%)

Yellow (49%)

Blue (56%)

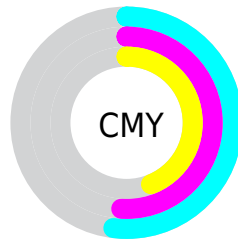


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (51%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3845, 20.8312, 28.5376 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 20.3845, 20.8312, 28.5376 by changing the saturation by 10% instead.

■ 20.3845, 20.8312,
28.5376

■ 20.3845, 20.8312,
28.5376

246.7832,
256.3801, 309.0193

■ 12.7847, 13.0007,
18.4887

■ 43.5599, 44.8064,
58.3750

■ 7.3565, 7.4290,
11.1284

■ 59.8663, 61.7199,
79.0006

■ 3.7343, 3.7318,
6.0380

■ 79.8056, 82.4299,
103.9889

■ 1.5529, 1.5247,
2.7990

103.7432,
107.3207, 133.7584

■ 0.3614, 0.3060,
0.9930

132.0443,
136.7767, 168.7277

■ 0.0000, 0.0000,
0.0000

165.0745,

171.1823, 209.3152

203.1990,
210.9220, 255.9396

■ 20.3845, 20.8312,
28.5376

■ 20.3845, 20.8312,
28.5376

■ 16.9920, 16.8460,
27.9475

■ 24.2787, 25.3815,
29.2110

■ 14.0789, 13.4014,
27.4362

■ 28.6918, 30.5150,
29.9692

■ 11.6241, 10.4747,
27.0006

■ 33.6427, 36.2524,
30.8157

■ 9.6041, 8.0408,
26.6373

■ 39.1488, 42.6125,
31.7532

■ 7.9934, 6.0723,
26.3423

■ 45.2265, 49.6132,
32.7841

■ 6.7636, 4.5394,
26.1112

■ 51.8916, 57.2718,
33.9111

■ 5.8829, 3.4086,
25.9393

■ 59.1594, 65.6049,
35.1365

■ 5.3140, 2.6413,
25.8212

■ 67.0445, 74.6284,
36.4626

■ 5.0528, 2.2935,
25.7679

■ 75.5612, 84.3579,
37.8917

Harmonies

Analogous

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



19.3593, 20.8312, 28.6594



20.3845, 20.8312, 28.5376



21.2819, 20.8312, 26.7634

Triad

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



20.3845, 20.8312, 28.5376



21.1776, 20.8312, 18.7849



17.9345, 20.8312, 21.4353

Complementary

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



20.3845, 20.8312, 28.5376



24.1087, 25.9369, 22.4750

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.



18.3874, 20.8312, 19.0375



20.3845, 20.8312, 28.5376



20.2461, 20.8312, 17.5989

Square

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



20.3845, 20.8312, 28.5376



21.7506, 20.8312, 21.0624



19.2257, 20.8312, 17.6871



17.9686, 20.8312, 24.3818

Rectangle

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



20.3845, 20.8312, 28.5376



21.6763, 20.8312, 24.9629



19.2257, 20.8312, 17.6871



18.0341, 20.8312, 20.5438

Sweetspot

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



20.3851, 20.8321, 28.5381



42.3003, 44.1599, 51.4221



22.5594, 25.4444, 28.4498



9.3378, 9.7348, 11.4663



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.



20.3851, 20.8321, 28.5381



34.0899, 34.5579, 50.0015



21.2153, 20.8877, 28.5050



5.1725, 5.3408, 6.7870



4.5440, 2.0740, 23.1379



0.0507, 0.0343, 0.2236

Inverse Universe

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



21.9405, 21.3979, 22.3769



37.3771, 35.7715, 36.9757



23.1947, 25.9038, 22.5168



5.4305, 5.4327, 5.7653



10.0967, 5.1957, 0.8947



0.1002, 0.0511, 0.0277

Previews

White Background



This preview shows how the XYZ color 20.3845, 20.8312, 28.5376 looks on a white background.

Color Contrast Check

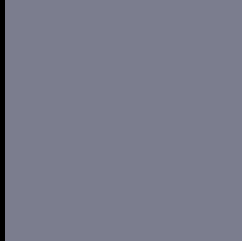
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3845, 20.8312, 28.5376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

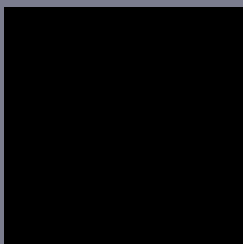
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

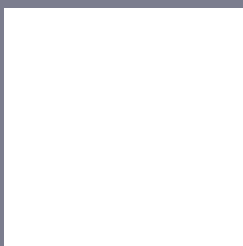
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3845, 20.8312, 28.5376

Background



This preview shows how black text looks on a background with the XYZ color 20.3845, 20.8312, 28.5376.



This preview shows how white text looks on a background with the XYZ color 20.3845, 20.8312,

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

20.3845, 20.8312, 28.5376

Protanopia

20.3845, 20.8312, 28.5376

Deuteranopia

21.1714, 20.8647, 28.5026



Tritanopia

19.9308, 20.8369, 26.2640

Trichromacy



Original Color

20.3845, 20.8312, 28.5376

Protanomaly

20.3845, 20.8312, 28.5376

Deuteranomaly

20.8425, 20.8803, 28.5230

Tritanomaly

20.0743, 20.8943, 27.0197

Monochromacy



Original Color

20.3845, 20.8312, 28.5376

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0832, 20.9476, 24.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3845, 20.8312, 28.5376 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, 125, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 125, 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, 125, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 125, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.3845, 20.8312, 28.5376 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, 125, 142) }
```


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

```
.border{ border-color:rgb(123, 125, 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, 125, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 125, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 125, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 125,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3845, 20.8312, 28.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 125, 142) }
```

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

```
.background{ background-color: rgb(123,  
125, 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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