

Converting Colors

XYZ(20.3648, 24.9793, 8.3056)

Have a look what the booklet for
XYZ(20.3648, 24.9793, 8.3056)
contains.

XYZ(20.3648, 24.9793, 8.3056)	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(20.3648, 24.9793,
8.3056)**

Conversions

Conversions Part 1

Format	Color
Hex	858F3E
RGB	133, 143, 62
RGB Percent	52%, 56%, 24%
CMY	0.4784, 0.4392, 0.7569
CMYK	0.07, 0.00, 0.57, 0.44
HSL	67°, 40%, 40%
HSV	67°, 57%, 56%
XYZ	20.3648, 24.9793, 8.3056
YIQ	130.7760, 20.0410, -27.3110

Conversions

Conversions Part 2

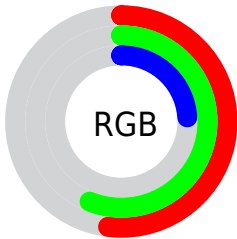
Format	Color
RYB	62, 143, 72
Decimal	8752958
CIELab	57.06, -15.70, 41.14
CIELCh	57, 44.031, 110.891
Yxy	24.9793, 0.3796, 0.4656
Android (android.graphics.Color)	4286943038 (0xFF858F3E)
YUV	130.7760, -33.9066, 1.9504
Hunter-Lab	49.9793, -14.7313, 25.1326

Details

The XYZ color **20.3648, 24.9793, 8.3056** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.3540, 6.8068, 26.8090**, and the grayscale version is **21.6061, 22.7313, 24.7544**.

A 20% lighter version of the original color is **43.6299, 51.7937, 23.0269**, and **7.3625, 9.5999, 1.7521** is the 20% darker color. If you saturate the color by 10%, you get **19.7467, 24.7010, 6.4912**, and if you desaturate by 10%, it is **21.0921, 25.3036, 10.6652**.

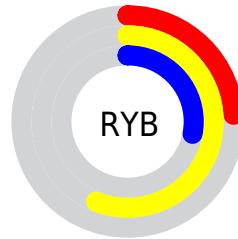
Distribution



Red (52%)

Green (56%)

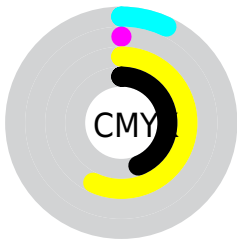
Blue (24%)



Red (24%)

Yellow (56%)

Blue (28%)

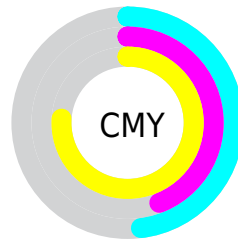


Cyan (7%)

Magenta (0%)

Yellow (57%)

Black (44%)



Cyan (48%)

Magenta (44%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3648, 24.9793, 8.3056 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 20.3648, 24.9793, 8.3056 by changing the saturation by 10% instead.

■ 20.3648, 24.9793,
8.3056

■ 20.3648, 24.9793,
8.3056

246.6793,
277.7348, 188.1329

■ 12.7703, 16.0616,
4.2005

■ 43.5272, 51.6236,
23.1114

■ 7.3465, 9.5678,
1.7360

■ 59.8259, 70.1191,
34.6492

■ 3.7280, 5.1133,
0.3852

■ 79.7567, 92.5760,
49.5017

■ 1.5494, 2.3139,
0.0000

■ 103.6849,
119.3786, 68.0873

■ 0.3591, 0.7811,
0.0000

■ 131.9759,
150.9114, 90.8248

■ 0.0000, 0.0000,
0.0000

■ 164.9950,

187.5588, 118.1325

203.1077,
229.7051, 150.4290

■ 20.3648, 24.9793,
8.3056

■ 20.3648, 24.9793,
8.3056

■ 19.7467, 24.7010,
6.4912

■ 21.0921, 25.3036,
10.6652

■ 19.2276, 24.4620,
5.1767

■ 21.9343, 25.6735,
13.6075

■ 18.7986, 24.2595,
4.3124

■ 22.8985, 26.0928,
17.1682

■ 18.4439, 24.0873,
3.8151

■ 23.9912, 26.5640,
21.3800

■ 18.3304, 24.0318,
3.6725

■ 25.2179, 27.0894,
26.2731

■ 26.5842, 27.6711,
31.8760

■ 28.0952, 28.3113,
38.2154

■ 29.7556, 29.0118,
45.3166

■ 31.5701, 29.7745,
53.2039

Harmonies

Analogous

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



25.3540, 24.9793, 7.6372



20.3648, 24.9793, 8.3056



16.8222, 24.9793, 12.8815

Triad

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



20.3648, 24.9793, 8.3056



17.9974, 24.9793, 55.8769



34.9962, 24.9793, 31.9686

Complementary

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



20.3648, 24.9793, 8.3056



9.3540, 6.8068, 26.8090

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.



32.3389, 24.9793, 49.4501



20.3648, 24.9793, 8.3056



22.1999, 24.9793, 66.2014

Square

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



20.3648, 24.9793, 8.3056



15.5999, 24.9793, 38.6897



27.4735, 24.9793, 63.4972



34.3154, 24.9793, 18.2424

Rectangle

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



20.3648, 24.9793, 8.3056



15.5200, 24.9793, 18.8883



27.4735, 24.9793, 63.4972



34.4509, 24.9793, 37.6454

Sweetspot

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



20.3654, 24.9804, 8.3061



42.8139, 47.5055, 37.7056



14.4801, 10.7521, 5.8700



9.7360, 10.8587, 8.3259



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.3654, 24.9804, 8.3061



35.0840, 44.1064, 10.8796



15.2122, 22.3239, 8.0650



5.7749, 6.2521, 5.7918



16.2184, 21.2535, 3.2475



0.1670, 0.2093, 0.0316

Inverse Universe

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



9.3540, 6.8068, 26.8090



13.3897, 8.2422, 47.4232



13.3571, 8.8705, 26.9964



5.1877, 5.2849, 6.7754



4.6095, 1.8699, 23.0951



0.0537, 0.0229, 0.2213

Previews

White Background



This preview shows how the XYZ color 20.3648, 24.9793, 8.3056 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 20.3648, 24.9793, 8.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

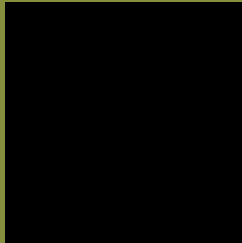
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3648, 24.9793, 8.3056

Background



This preview shows how black text looks on a background with the XYZ color 20.3648, 24.9793, 8.3056.



This preview shows how white text looks on a background with the XYZ color 20.3648, 24.9793,

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

20.3648, 24.9793, 8.3056

Protanopia

22.7102, 24.8930, 7.8828

Deuteranopia

25.3282, 24.7936, 8.6050



Tritanopia

24.7913, 24.8453, 30.2770

Trichromacy



Original Color

20.3648, 24.9793, 8.3056

Protanomaly

21.7520, 24.8219, 8.0595

Deuteranomaly

23.3284, 24.7775, 8.5540

Tritanomaly

22.6876, 24.6181, 19.7757

Monochromacy



Original Color

20.3648, 24.9793, 8.3056

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7812, 23.2741, 17.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3648, 24.9793, 8.3056 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(133, 143, 62)` looks like.

```
.text, #text, p{  
    color:rgb(133, 143, 62)  
}
```

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(133, 143, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 143, 62) }
```

Border

The CSS property to change the border of an element to XYZ 20.3648, 24.9793, 8.3056 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(133, 143, 62) }
```


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

```
.border{ border-color:rgb(133, 143, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 143, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 143, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 143, 62);  
box-shadow:4px 4px 4px 4px rgb(133, 143,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3648, 24.9793, 8.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 143, 62) }
```

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

```
.background{ background-color: rgb(133,  
143, 62) }
```

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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