

Converting Colors

XYZ(20.9016, 24.4227, 8.5776)

Have a look what the booklet for
XYZ(20.9016, 24.4227, 8.5776)
contains.

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Color

**XYZ(20.8342, 24.3359,
8.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8B41
RGB	139, 139, 65
RGB Percent	55%, 55%, 25%
CMY	0.4549, 0.4549, 0.7451
CMYK	0.00, 0.00, 0.53, 0.45
HSL	60°, 36%, 40%
HSV	60°, 53%, 55%
XYZ	20.8342, 24.3359, 8.6002
YIQ	130.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

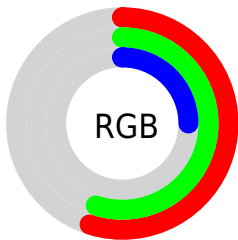
Format	Color
RYB	65, 139, 65
Decimal	9145153
CIELab	56.42, -10.69, 39.05
CIELCh	56, 40.492, 105.311
Yxy	24.3359, 0.3875, 0.4526
Android (android.graphics.Color)	4287335233 (0xFF8B8B41)
YUV	130.5640, -32.3231, 7.3984
Hunter-Lab	49.3314, -10.9439, 24.1957

Details

The XYZ color **20.8342, 24.3359, 8.6002** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7313, 6.7690, 25.2740**, and the grayscale version is **21.5240, 22.6450, 24.6604**.

A 20% lighter version of the original color is **44.1923, 50.4064, 23.6199**, and **7.5891, 9.2055, 1.8288** is the 20% darker color. If you saturate the color by 10%, you get **20.4802, 24.1952, 6.7344**, and if you desaturate by 10%, it is **21.2885, 24.5185, 10.9890**.

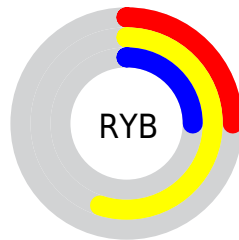
Distribution



Red (55%)

Green (55%)

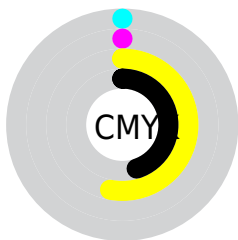
Blue (25%)



Red (25%)

Yellow (55%)

Blue (25%)

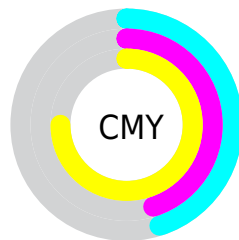


Cyan (0%)

Magenta (0%)

Yellow (53%)

Black (45%)



Cyan (45%)

Magenta (45%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8342, 24.3359, 8.6002 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 20.8342, 24.3359, 8.6002 by changing the saturation by 10% instead.

■ 20.8342, 24.3359,
8.6002

■ 20.8342, 24.3359,
8.6002

249.1445,
274.5143, 190.4737

■ 13.1146, 15.5830,
4.3881

■ 44.3048, 50.5778,
23.6922

■ 7.5851, 9.2295,
1.8406

■ 60.7865, 68.8355,
35.4093

■ 3.8802, 4.8912,
0.4545

■ 80.9197, 91.0304,
50.4650

■ 1.6346, 2.1836,
0.0000

■ 105.0696,
117.5467, 69.2781

■ 0.4148, 0.7110,
0.0000

■ 133.6017,
148.7688, 92.2669

■ 0.0000, 0.0000,
0.0000

166.8813,

185.0812, 119.8501

205.2738,
226.8682, 152.4462

■ 20.8342, 24.3359,
8.6002

■ 20.8342, 24.3359,
8.6002

■ 20.4802, 24.1952,
6.7344

■ 21.2885, 24.5185,
10.9890

■ 20.2174, 24.0900,
5.3511

■ 21.8479, 24.7423,
13.9344

■ 20.0379, 24.0182,
4.4064

■ 22.5193, 25.0109,
17.4688

■ 19.9315, 23.9757,
3.8472

■ 23.3081, 25.3264,
21.6219

■ 19.8799, 23.9550,
3.5760

■ 24.2196, 25.6910,
26.4213

■ 25.2588, 26.1067,
31.8928

■ 26.4303, 26.5753,
38.0611

■ 27.7385, 27.0986,
44.9493

■ 29.1877, 27.6783,
52.5797

Harmonies

Analogous

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



25.4888, 24.3359, 8.5660



20.8342, 24.3359, 8.6002



17.3034, 24.3359, 12.1890

Triad

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



20.8342, 24.3359, 8.6002



17.3604, 24.3359, 49.3742



32.9755, 24.3359, 33.5864

Complementary

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



20.8342, 24.3359, 8.6002



8.7313, 6.7690, 25.2740

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.



30.1380, 24.3359, 49.0749



20.8342, 24.3359, 8.6002



20.9224, 24.3359, 60.0732

Square

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



20.8342, 24.3359, 8.6002



15.4899, 24.3359, 33.9042



25.5897, 24.3359, 59.9482



32.9435, 24.3359, 20.2569

Rectangle

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



20.8342, 24.3359, 8.6002



15.8783, 24.3359, 17.1230



25.5897, 24.3359, 59.9482



32.3105, 24.3359, 38.7892

Sweetspot

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



20.8348, 24.3370, 8.6007



41.2756, 45.1674, 36.2837



13.4927, 9.6518, 6.1531



9.4515, 10.3839, 8.0481



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.



20.8348, 24.3370, 8.6007



36.5595, 43.2808, 11.4552



15.6672, 21.6730, 8.3589



5.4310, 5.8449, 5.3943



17.9414, 21.6191, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



8.7313, 6.7690, 25.2740



12.4384, 8.2695, 44.6836



12.0307, 8.4700, 25.4284



4.7747, 4.8923, 6.2985



4.2061, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 20.8342, 24.3359, 8.6002 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 20.8342, 24.3359, 8.6002 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 20.8342, 24.3359, 8.6002

Background



This preview shows how black text looks on a background with the XYZ color 20.8342, 24.3359, 8.6002.



This preview shows how white text looks on a background with the XYZ color 20.8342, 24.3359,

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

20.8342, 24.3359, 8.6002

Protanopia

22.1671, 24.1821, 8.3498

Deuteranopia

24.6195, 24.2249, 8.8471



Tritanopia

24.9566, 24.3587, 28.5857

Trichromacy



Original Color

20.8342, 24.3359, 8.6002

Protanomaly

21.5836, 24.0895, 8.3626

Deuteranomaly

23.1109, 24.2482, 8.7725

Tritanomaly

23.0073, 24.1717, 19.0758

Monochromacy



Original Color

20.8342, 24.3359, 8.6002

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0105, 23.1801, 17.2767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8342, 24.3359, 8.6002 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(139, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(139, 139, 65)  
}
```

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(139, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 139, 65) }
```

Border

The CSS property to change the border of an element to XYZ 20.8342, 24.3359, 8.6002 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(139, 139, 65) }
```


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

```
.border{ border-color:rgb(139, 139, 65) }
```

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

Here you see how a box with a 4 pixel rgb(139, 139, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(139, 139,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8342, 24.3359, 8.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 139, 65) }
```

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

```
.background{ background-color: rgb(139,  
139, 65) }
```

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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