

Converting Colors

XYZ(20.7389, 24.9266, 9.3485)

Have a look what the booklet for
XYZ(20.7389, 24.9266, 9.3485)
contains.

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Color

**XYZ(20.7389, 24.9266,
9.3485)**

Conversions

Conversions Part 1

Format	Color
Hex	878E45
RGB	135, 142, 69
RGB Percent	53%, 56%, 27%
CMY	0.4706, 0.4431, 0.7294
CMYK	0.05, 0.00, 0.51, 0.44
HSL	66°, 35%, 41%
HSV	66°, 51%, 56%
XYZ	20.7389, 24.9266, 9.3485
YIQ	131.5850, 19.2610, -24.1870

Conversions

Conversions Part 2

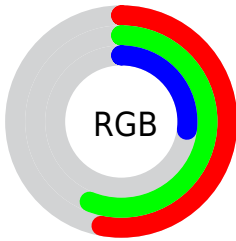
Format	Color
RYB	69, 142, 76
Decimal	8883781
CIELab	57.00, -13.66, 37.64
CIELCh	57, 40.039, 109.946
Yxy	24.9266, 0.3770, 0.4531
Android (android.graphics.Color)	4287073861 (0xFF878E45)
YUV	131.5850, -30.8544, 2.9950
Hunter-Lab	49.9265, -13.2247, 23.8468

Details

The XYZ color **20.7389, 24.9266, 9.3485** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.9920, 7.7464, 26.5612**, and the grayscale version is **21.8859, 23.0257, 25.0750**.

A 20% lighter version of the original color is **44.3049, 51.7589, 25.1081**, and **7.5207, 9.5438, 2.1076** is the 20% darker color. If you saturate the color by 10%, you get **20.1323, 24.6597, 7.2883**, and if you desaturate by 10%, it is **21.4550, 25.2394, 11.9656**.

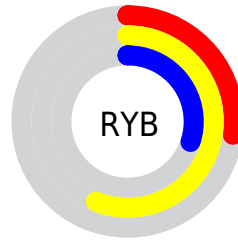
Distribution



Red (53%)

Green (56%)

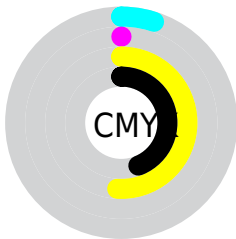
Blue (27%)



Red (27%)

Yellow (56%)

Blue (30%)

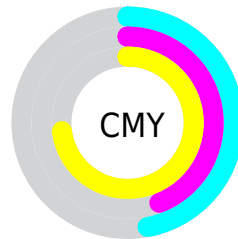


Cyan (5%)

Magenta (0%)

Yellow (51%)

Black (44%)



Cyan (47%)

Magenta (44%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7389, 24.9266, 9.3485 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 20.7389, 24.9266, 9.3485 by changing the saturation by 10% instead.

■ 20.7389, 24.9266,
9.3485

■ 20.7389, 24.9266,
9.3485

248.6457,
277.4722, 196.2696

■ 13.0447, 16.0224,
4.8693

■ 44.1471, 51.5381,
25.1510

■ 7.5365, 9.5400,
2.1134

■ 60.5919, 70.0142,
37.3114

■ 3.8491, 5.0950,
0.6237

■ 80.6841, 92.4497,
52.8693

■ 1.6171, 2.3031,
0.0000

■ 104.7892,
119.2290, 72.2432

■ 0.4035, 0.7754,
0.0000

■ 133.2726,
150.7365, 95.8516

■ 0.0000, 0.0000,
0.0000

166.4995,

187.3566, 124.1131

204.8355,
229.4737, 157.4463

■ 20.7389, 24.9266,
9.3485

■ 20.7389, 24.9266,
9.3485

■ 20.1323, 24.6597,
7.2883

■ 21.4550, 25.2394,
11.9656

■ 19.6257, 24.4322,
5.7430

■ 22.2858, 25.5976,
15.1742

■ 19.2111, 24.2419,
4.6676

■ 23.2382, 26.0046,
19.0083

■ 18.8783, 24.0845,
4.0081

■ 24.3179, 26.4630,
23.4985

■ 18.6329, 23.9659,
3.6438

■ 25.5306, 26.9749,
28.6736

■ 26.8812, 27.5423,
34.5606

■ 28.3748, 28.1671,
41.1851

■ 30.0159, 28.8514,
48.5715

■ 31.8089, 29.5967,
56.7428

Harmonies

Analogous

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



25.3062, 24.9266, 8.7920



20.7389, 24.9266, 9.3485



17.4219, 24.9266, 13.6525

Triad

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



20.7389, 24.9266, 9.3485



18.3358, 24.9266, 52.1848



33.7590, 24.9266, 31.9184

Complementary

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



20.7389, 24.9266, 9.3485



9.9920, 7.7464, 26.5612

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.



31.3104, 24.9266, 47.4528



20.7389, 24.9266, 9.3485



22.1479, 24.9266, 61.4653

Square

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



20.7389, 24.9266, 9.3485



16.1670, 24.9266, 36.9696



26.9129, 24.9266, 59.4935



33.2506, 24.9266, 19.2295

Rectangle

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



20.7389, 24.9266, 9.3485



16.1716, 24.9266, 19.1928



26.9129, 24.9266, 59.4935



33.2432, 24.9266, 37.0264

Sweetspot

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



20.7395, 24.9277, 9.3490



42.1095, 46.3360, 38.2035



14.7521, 11.2246, 7.0196



9.3267, 10.3159, 8.2058



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.



20.7395, 24.9277, 9.3490



35.3184, 43.4020, 12.2720



15.9394, 22.4532, 9.1244



5.7893, 6.2595, 5.7924



16.7370, 21.5208, 3.2718



0.1696, 0.2107, 0.0317

Inverse Universe

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



9.9920, 7.7464, 26.5612



14.1523, 9.5309, 46.2216



13.6406, 9.6273, 26.7320



5.1746, 5.2782, 6.7748



4.5492, 1.8388, 23.0922



0.0511, 0.0215, 0.2211

Previews

White Background



This preview shows how the XYZ color 20.7389, 24.9266, 9.3485 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 20.7389, 24.9266, 9.3485 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 20.7389, 24.9266, 9.3485

Background



This preview shows how black text looks on a background with the XYZ color 20.7389, 24.9266, 9.3485.



This preview shows how white text looks on a background with the XYZ color 20.7389, 24.9266,

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

20.7389, 24.9266, 9.3485

Protanopia

22.7213, 24.8759, 8.9142

Deuteranopia

25.3008, 24.7580, 9.5762



Tritanopia

24.8868, 24.9035, 29.8807

Trichromacy



Original Color

20.7389, 24.9266, 9.3485

Protanomaly

21.9531, 24.9023, 9.1184

Deuteranomaly

23.3727, 24.5730, 9.4724

Tritanomaly

22.9718, 24.7511, 20.3963

Monochromacy



Original Color

20.7389, 24.9266, 9.3485

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2373, 23.6990, 17.9230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7389, 24.9266, 9.3485 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(135, 142, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 142, 69)  
}
```

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(135, 142, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 142, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.7389, 24.9266, 9.3485 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(135, 142, 69) }
```


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

```
.border{ border-color:rgb(135, 142, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 142, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 142, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 142, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 142,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7389, 24.9266, 9.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 142, 69) }
```

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

```
.background{ background-color: rgb(135,  
142, 69) }
```

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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