

Converting Colors

XYZ(20.2191, 22.5586, 8.4428)

Have a look what the booklet for
XYZ(20.2191, 22.5586, 8.4428)
contains.

XYZ(20.2191, 22.5586, 8.4428)	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(20.2191, 22.5586,
8.4428)**

Conversions

Conversions Part 1

Format	Color
Hex	8D8442
RGB	141, 132, 66
RGB Percent	55%, 52%, 26%
CMY	0.4471, 0.4823, 0.7412
CMYK	0.00, 0.06, 0.53, 0.45
HSL	53°, 36%, 41%
HSV	53°, 53%, 55%
XYZ	20.2191, 22.5586, 8.4428
YIQ	127.1670, 26.5500, -18.6180

Conversions

Conversions Part 2

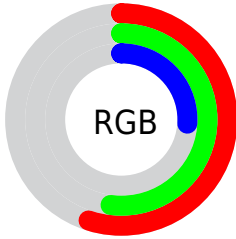
Format	Color
R_{YB}	76, 141, 66
Decimal	9274434
CIE _{Lab}	54.61, -5.90, 36.46
CIE _{LCh}	55, 36.938, 99.186
Yxy	22.5586, 0.3947, 0.4404
Android (android.graphics.Color)	4287464514 (0xFF8D8442)
YUV	127.1670, -30.1553, 12.1315
Hunter-Lab	47.4959, -7.1300, 22.7078

Details

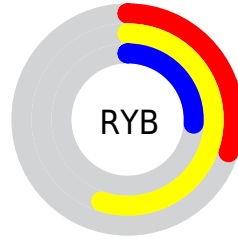
The XYZ color **20.2191, 22.5586, 8.4428** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.5704, 8.1131, 26.2607**, and the grayscale version is **20.3247, 21.3832, 23.2863**.

A 20% lighter version of the original color is **43.2663, 47.6946, 23.4486**, and **7.3223, 8.3540, 1.7988** is the 20% darker color. If you saturate the color by 10%, you get **19.6263, 21.9583, 6.4412**, and if you desaturate by 10%, it is **20.9192, 23.2094, 10.9864**.

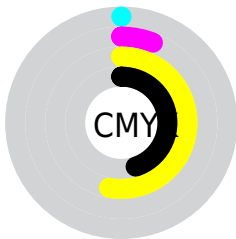
Distribution



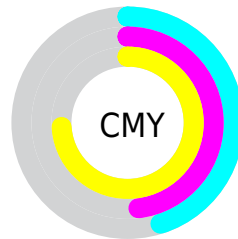
- Red (55%)
- Green (52%)
- Blue (26%)



- Red (30%)
- Yellow (55%)
- Blue (26%)



- Cyan (0%)
- Magenta (6%)
- Yellow (53%)
- Black (45%)



- Cyan (45%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2191, 22.5586, 8.4428 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 20.2191, 22.5586, 8.4428 by changing the saturation by 10% instead.

■ 20.2191, 22.5586,
8.4428

■ 20.2191, 22.5586,
8.4428

245.9098,
265.4497, 189.2274

■ 12.6636, 14.2679,
4.2878

■ 43.2854, 47.6675,
23.3824

■ 7.2727, 8.3072,
1.7845

■ 59.5268, 65.2546,
35.0040

■ 3.6811, 4.2922,
0.4177

■ 79.3943, 86.7092,
49.9516

■ 1.5233, 1.8383,
0.0000

■ 103.2532,
112.4158, 68.6436

■ 0.3416, 0.5109,
0.0000

■ 131.4689,
142.7587, 91.4987

■ 0.0000, 0.0000,
0.0000

164.4066,

178.1224, 118.9353

202.4318,
218.8913, 151.3720

■ 20.2191, 22.5586,
8.4428

■ 20.2191, 22.5586,
8.4428

■ 19.6263, 21.9583,
6.4412

■ 20.9192, 23.2094,
10.9864

■ 19.1316, 21.4023,
4.9397

■ 21.7318, 23.9104,
14.1069

■ 18.7266, 20.8882,
3.8928

■ 22.6640, 24.6652,
17.8380

■ 18.4010, 20.4116,
3.2457

■ 23.7214, 25.4761,
22.2102

■ 18.2030, 20.0999,
2.9203

■ 24.9095, 26.3454,
27.2521

■ 26.2335, 27.2751,
32.9906

■ 27.6982, 28.2672,
39.4512

■ 29.3081, 29.3236,
46.6578

■ 31.0677, 30.4459,
54.6335

Harmonies

Analogous

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



24.3365, 22.5586, 9.0312



20.2191, 22.5586, 8.4428



16.8775, 22.5586, 10.9895

Triad

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



20.2191, 22.5586, 8.4428



15.9420, 22.5586, 41.5690



29.5971, 22.5586, 33.3938

Complementary

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



20.2191, 22.5586, 8.4428



9.5704, 8.1131, 26.2607

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.



26.7614, 22.5586, 46.2855



20.2191, 22.5586, 8.4428



18.7853, 22.5586, 51.9466

Square

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



20.2191, 22.5586, 8.4428



14.6215, 22.5586, 28.3070



22.7117, 22.5586, 53.9022



30.1075, 22.5586, 21.1636

Rectangle

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



20.2191, 22.5586, 8.4428



15.4115, 22.5586, 14.7979



22.7117, 22.5586, 53.9022



28.8686, 22.5586, 37.8868

Sweetspot

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



20.2196, 22.5596, 8.4433



41.8596, 45.1550, 37.1793



14.2373, 10.0811, 8.0332



9.2734, 10.0274, 7.9887



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.



20.2196, 22.5596, 8.4433



34.9400, 39.1001, 10.8747



17.3828, 22.9870, 8.6753



5.7851, 6.1765, 5.7767



16.6055, 18.3426, 2.6653



0.1688, 0.1955, 0.0288

Inverse Universe

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



9.5704, 8.1131, 26.2607



13.7457, 10.3707, 46.4051



11.3211, 8.1731, 26.1800



5.1785, 5.3528, 6.7890



4.5722, 2.1303, 23.1473



0.0519, 0.0367, 0.2240

Previews

White Background



This preview shows how the XYZ color 20.2191, 22.5586, 8.4428 looks on a white background.

Color Contrast Check

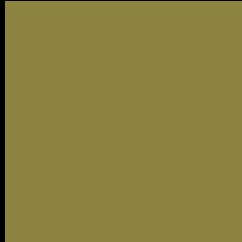
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2191, 22.5586, 8.4428 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 20.2191, 22.5586, 8.4428

Background



This preview shows how black text looks on a background with the XYZ color 20.2191, 22.5586, 8.4428.



This preview shows how white text looks on a background with the XYZ color 20.2191, 22.5586,

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

20.2191, 22.5586, 8.4428

Protanopia

20.6013, 22.5552, 8.4220

Deuteranopia

22.8742, 22.5582, 8.6174



Tritanopia

23.7235, 22.4324, 25.6338

Trichromacy



Original Color

20.2191, 22.5586, 8.4428

Protanomaly

20.4274, 22.4656, 8.4139

Deuteranomaly

21.8692, 22.6159, 8.5229

Tritanomaly

22.0267, 22.3026, 17.6119

Monochromacy



Original Color

20.2191, 22.5586, 8.4428

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9158, 21.6260, 16.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2191, 22.5586, 8.4428 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(141, 132, 66)` looks like.

```
.text, #text, p{  
    color:rgb(141, 132, 66)  
}
```

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(141, 132, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 132, 66) }
```

Border

The CSS property to change the border of an element to XYZ 20.2191, 22.5586, 8.4428 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(141, 132, 66) }
```


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

```
.border{ border-color:rgb(141, 132, 66) }
```

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

Here you see how a box with a 4 pixel rgb(141, 132, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 132, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 132, 66);  
box-shadow:4px 4px 4px 4px rgb(141, 132,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2191, 22.5586, 8.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 132, 66) }
```

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

```
.background{ background-color: rgb(141,  
132, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor