

Converting Colors

XYZ(20.0822, 22.0178, 11.7186)

Have a look what the booklet for
XYZ(20.0822, 22.0178, 11.7186)
contains.

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Color

**XYZ(20.1036, 22.0244,
11.7859)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8255
RGB	138, 130, 85
RGB Percent	54%, 51%, 33%
CMY	0.4588, 0.4902, 0.6667
CMYK	0.00, 0.06, 0.38, 0.46
HSL	51°, 24%, 44%
HSV	51°, 38%, 54%
XYZ	20.1036, 22.0244, 11.7859
YIQ	127.2620, 19.2130, -12.2990

Conversions

Conversions Part 2

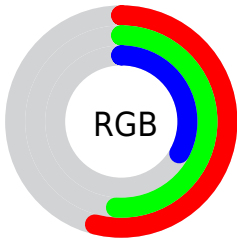
Format	Color
R_{YB}	94, 138, 85
Decimal	9077333
CIE Lab	54.05, -4.04, 25.47
CIE LCh	54, 25.784, 99.024
Yxy	22.0244, 0.3729, 0.4085
Android (android.graphics.Color)	4287267413 (0xFF8A8255)
YUV	127.2620, -20.8352, 9.4172
Hunter-Lab	46.9302, -5.6633, 17.9612

Details

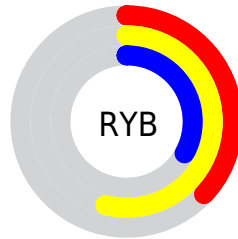
The XYZ color **20.1036, 22.0244, 11.7859** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.2481, 11.5948, 25.6374**, and the grayscale version is **20.3282, 21.3868, 23.2903**.

A 20% lighter version of the original color is **43.0449, 46.8227, 29.6906**, and **7.2391, 8.0576, 3.0932** is the 20% darker color. If you saturate the color by 10%, you get **19.3340, 21.2786, 9.0834**, and if you desaturate by 10%, it is **20.9868, 22.8262, 15.0544**.

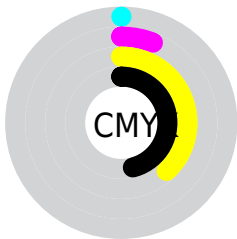
Distribution



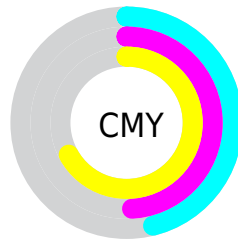
- Red (54%)
- Green (51%)
- Blue (33%)



- Red (37%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (6%)
- Yellow (38%)
- Black (46%)



- Cyan (46%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1036, 22.0244, 11.7859 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 20.1036, 22.0244, 11.7859 by changing the saturation by 10% instead.

■ 20.1036, 22.0244,
11.7859

■ 20.1036, 22.0244,
11.7859

245.2983,
262.6737, 213.9101

■ 12.5791, 13.8748,
6.4773

■ 43.0934, 46.7863,
29.7631

■ 7.2143, 8.0337,
3.0640

■ 59.2894, 64.1675,
43.2688

■ 3.6440, 4.1165,
1.1274

■ 79.1067, 85.3946,
60.3439

■ 1.5028, 1.7389,
0.0000

■ 102.9104,
110.8521, 81.4070

■ 0.3277, 0.4487,
0.0000

■ 131.0661,
140.9243, 106.8766

■ 0.0000, 0.0000,
0.0000

163.9391,

175.9958, 137.1713

201.8947,
216.4507, 172.7096

■ 20.1036, 22.0244,
11.7859

■ 20.1036, 22.0244,
11.7859

■ 19.3340, 21.2786,
9.0834

■ 20.9868, 22.8262,
15.0544

■ 18.6702, 20.5833,
6.9126

■ 21.9879, 23.6833,
18.9179

■ 18.1057, 19.9366,
5.2376

■ 23.1126, 24.5990,
23.4047

■ 17.6327, 19.3353,
4.0178

■ 24.3661, 25.5752,
28.5412

■ 17.2424, 18.7758,
3.2056

■ 25.7530, 26.6141,
34.3523

■ 16.9142, 18.2499,
2.6943

■ 27.2778, 27.7173,
40.8613

■ 16.8633, 18.1674,
2.6179

■ 28.9449, 28.8867,
48.0906

■ 30.7583, 30.1240,
56.0616

■ 32.7219, 31.4307,
64.7948

Harmonies

Analogous

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



22.9125, 22.0244, 12.3089



20.1036, 22.0244, 11.7859



17.7352, 22.0244, 13.9187

Triad

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



20.1036, 22.0244, 11.7859



17.0376, 22.0244, 35.0093



26.3507, 22.0244, 29.9095

Complementary

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



20.1036, 22.0244, 11.7859



12.2481, 11.5948, 25.6374

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.



24.4949, 22.0244, 38.0006



20.1036, 22.0244, 11.7859



19.0719, 22.0244, 41.3699

Square

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



20.1036, 22.0244, 11.7859



16.0713, 22.0244, 26.4714



21.7860, 22.0244, 42.5718



26.6891, 22.0244, 21.6516

Rectangle

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



20.1036, 22.0244, 11.7859



16.6641, 22.0244, 16.9130



21.7860, 22.0244, 42.5718



25.8763, 22.0244, 32.7857

Sweetspot

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



20.1041, 22.0254, 11.7864



39.9499, 42.7257, 38.0754



15.7429, 12.7057, 12.1735



8.9126, 9.5442, 8.3484



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.1041, 22.0254, 11.7864



34.2607, 37.6886, 16.6296



18.5204, 22.8500, 12.0290



5.3679, 5.7186, 5.3733



15.4696, 16.6735, 2.4030



0.1108, 0.1269, 0.0187

Inverse Universe

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



12.2481, 11.5948, 25.6374



18.3963, 16.6327, 44.6240



13.3916, 11.1962, 25.5002



4.8317, 5.0063, 6.3175



4.4563, 2.1830, 22.2322



0.0363, 0.0279, 0.1499

Previews

White Background



This preview shows how the XYZ color 20.1036, 22.0244, 11.7859 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 20.1036, 22.0244, 11.7859 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 20.1036, 22.0244, 11.7859

Background



This preview shows how black text looks on a background with the XYZ color 20.1036, 22.0244, 11.7859.



This preview shows how white text looks on a background with the XYZ color 20.1036, 22.0244,

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

20.1036, 22.0244, 11.7859

Protanopia

20.3052, 21.9318, 11.7574

Deuteranopia

22.4049, 22.0558, 11.8804



Tritanopia

22.8384, 21.9762, 25.5924

Trichromacy



Original Color

20.1036, 22.0244, 11.7859

Protanomaly

20.1374, 21.8454, 11.7495

Deuteranomaly

21.5350, 21.9832, 11.9123

Tritanomaly

21.5977, 21.8454, 19.6013

Monochromacy



Original Color

20.1036, 22.0244, 11.7859

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0039, 21.4335, 18.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1036, 22.0244, 11.7859 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(138, 130, 85)` looks like.

```
.text, #text, p{  
    color:rgb(138, 130, 85)  
}
```

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(138, 130, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 130, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.1036, 22.0244, 11.7859 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(138, 130, 85) }
```


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

```
.border{ border-color:rgb(138, 130, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 130, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 130, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 130, 85);  
box-shadow:4px 4px 4px 4px rgb(138, 130,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1036, 22.0244, 11.7859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 130, 85) }
```

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

```
.background{ background-color: rgb(138,  
130, 85) }
```

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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