

Converting Colors

XYZ(20.2370, 22.2917, 11.8280)

Have a look what the booklet for
XYZ(20.2370, 22.2917, 11.8280)
contains.

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Color

**XYZ(20.2372, 22.2917,
11.8305)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8355
RGB	138, 131, 85
RGB Percent	54%, 51%, 33%
CMY	0.4588, 0.4863, 0.6667
CMYK	0.00, 0.05, 0.38, 0.46
HSL	52°, 24%, 44%
HSV	52°, 38%, 54%
XYZ	20.2372, 22.2917, 11.8305
YIQ	127.8490, 18.9380, -12.8220

Conversions

Conversions Part 2

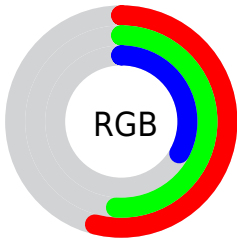
Format	Color
RYB	93, 138, 85
Decimal	9077589
CIELab	54.34, -4.60, 25.83
CIELCh	54, 26.239, 100.103
Yxy	22.2917, 0.3723, 0.4101
Android (android.graphics.Color)	4287267669 (0xFF8A8355)
YUV	127.8490, -21.1246, 8.9024
Hunter-Lab	47.2141, -6.1149, 18.1935

Details

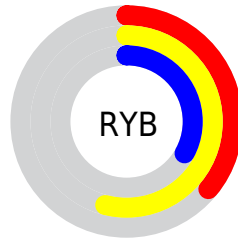
The XYZ color **20.2372, 22.2917, 11.8305** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.1609, 11.4203, 25.6081**, and the grayscale version is **20.5322, 21.6015, 23.5240**.

A 20% lighter version of the original color is **43.2519, 47.2367, 29.7596**, and **7.3140, 8.2073, 3.1181** is the 20% darker color. If you saturate the color by 10%, you get **19.4993, 21.6092, 9.1385**, and if you desaturate by 10%, it is **21.0875, 23.0276, 15.0881**.

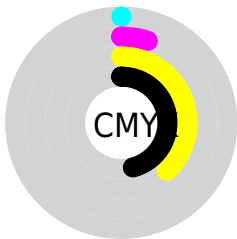
Distribution



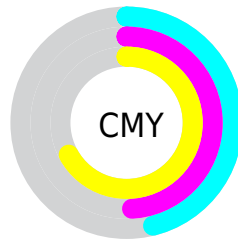
- Red (54%)
- Green (51%)
- Blue (33%)



- Red (36%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (38%)
- Black (46%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2372, 22.2917, 11.8305 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 20.2372, 22.2917, 11.8305 by changing the saturation by 10% instead.

■ 20.2372, 22.2917,
11.8305

■ 20.2372, 22.2917,
11.8305

246.0055,
264.0658, 214.2178

■ 12.6768, 14.0714,
6.5072

■ 43.3154, 47.2276,
29.8458

■ 7.2819, 8.1703,
3.0822

■ 59.5640, 64.7121,
43.3749

■ 3.6869, 4.2041,
1.1367

■ 79.4394, 86.0533,
60.4763

■ 1.5266, 1.7884,
0.0000

■ 103.3069,
111.6358, 81.5687

■ 0.3438, 0.4799,
0.0000

■ 131.5319,
141.8439, 107.0705

■ 0.0000, 0.0000,
0.0000

164.4798,

177.0620, 137.4002

202.5159,
217.6745, 172.9765

■ 20.2372, 22.2917,
11.8305

■ 20.2372, 22.2917,
11.8305

■ 19.4993, 21.6092,
9.1385

■ 21.0875, 23.0276,
15.0881

■ 18.8658, 20.9746,
6.9778

■ 22.0543, 23.8162,
18.9401

■ 18.3303, 20.3860,
5.3126

■ 23.1434, 24.6607,
23.4150

■ 17.8852, 19.8403,
4.1020

■ 24.3600, 25.5631,
28.5392

■ 17.5214, 19.3339,
3.2986

■ 25.7086, 26.5254,
34.3375

■ 17.2185, 18.8586,
2.7958

■ 27.1938, 27.5494,
40.8333

■ 17.1715, 18.7839,
2.7206

■ 28.8199, 28.6369,
48.0489

■ 30.5909, 29.7894,
56.0058

■ 32.5108, 31.0086,
64.7243

Harmonies

Analogous

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



23.1156, 22.2917, 12.2670



20.2372, 22.2917, 11.8305



17.8378, 22.2917, 14.1053

Triad

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



20.2372, 22.2917, 11.8305



17.2522, 22.2917, 35.9008



26.7928, 22.2917, 30.0385

Complementary

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



20.2372, 22.2917, 11.8305



12.1609, 11.4203, 25.6081

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.



24.9325, 22.2917, 38.4273



20.2372, 22.2917, 11.8305



19.3699, 22.2917, 42.3049

Square

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



20.2372, 22.2917, 11.8305



16.2200, 22.2917, 27.1417



22.1673, 22.2917, 43.3213



27.0781, 22.2917, 21.6118

Rectangle

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



20.2372, 22.2917, 11.8305



16.7674, 22.2917, 17.2353



22.1673, 22.2917, 43.3213



26.3235, 22.2917, 33.0024

Sweetspot

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



20.2378, 22.2927, 11.8310



40.0288, 42.8836, 38.1017



15.6646, 12.6744, 11.7616



8.9318, 9.5826, 8.3548



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.



20.2378, 22.2927, 11.8310



34.5444, 38.2560, 16.7242



18.2767, 22.7242, 12.0176



5.3757, 5.7343, 5.3759



15.7514, 17.2372, 2.4969



0.1119, 0.1290, 0.0190

Inverse Universe

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



12.1609, 11.4203, 25.6081



18.2329, 16.3058, 44.5695



13.5955, 11.3014, 25.5095



4.8245, 4.9919, 6.3151



4.4144, 2.0991, 22.2182



0.0352, 0.0258, 0.1496

Previews

White Background



This preview shows how the XYZ color 20.2372, 22.2917, 11.8305 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 20.2372, 22.2917, 11.8305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

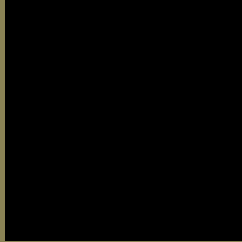
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2372, 22.2917, 11.8305

Background



This preview shows how black text looks on a background with the XYZ color 20.2372, 22.2917, 11.8305.



This preview shows how white text looks on a background with the XYZ color 20.2372, 22.2917,

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

20.2372, 22.2917, 11.8305

Protanopia

20.6068, 22.2839, 11.8094

Deuteranopia

22.5977, 22.1551, 11.8894



Tritanopia

23.2084, 22.3458, 26.0116

Trichromacy



Original Color

20.2372, 22.2917, 11.8305

Protanomaly

20.4375, 22.1966, 11.8015

Deuteranomaly

21.6635, 22.2402, 11.9551

Tritanomaly

21.9556, 22.2139, 19.9601

Monochromacy



Original Color

20.2372, 22.2917, 11.8305

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2906, 21.7759, 18.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2372, 22.2917, 11.8305 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, 131, 85)` looks like.

```
.text, #text, p{  
    color:rgb(138, 131, 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, 131, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 131, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.2372, 22.2917, 11.8305 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, 131, 85) }
```


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

```
.border{ border-color:rgb(138, 131, 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, 131, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 131, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 131, 85);  
box-shadow:4px 4px 4px 4px rgb(138, 131,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2372, 22.2917, 11.8305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 131, 85) }
```

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

```
.background{ background-color: rgb(138,  
131, 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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