

Converting Colors

XYZ(20.0337, 22.1598, 29.2018)

Have a look what the booklet for
XYZ(20.0337, 22.1598, 29.2018)
contains.

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Color

**XYZ(20.0275, 22.2030,
29.2166)**

Conversions

Conversions Part 1

Format	Color
Hex	70858F
RGB	112, 133, 143
RGB Percent	44%, 52%, 56%
CMY	0.5608, 0.4784, 0.4392
CMYK	0.22, 0.07, 0.00, 0.44
HSL	199°, 12%, 50%
HSV	199°, 22%, 56%
XYZ	20.0275, 22.2030, 29.2166
YIQ	127.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

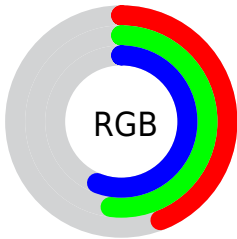
Format	Color
R_{YB}	112, 125, 143
Decimal	7374223
CIE _{Lab}	54.24, -5.23, -7.89
CIE _{LCh}	54, 9.471, 236.446
Yxy	22.2030, 0.2803, 0.3108
Android (android.graphics.Color)	4285564303 (0xFF70858F)
YUV	127.8610, 7.4635, -13.9101
Hunter-Lab	47.1201, -6.5920, -3.7785

Details

The XYZ color **20.0275, 22.2030, 29.2166** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2119, 20.9284, 18.2511**, and the grayscale version is **20.4490, 21.5140, 23.4287**.

A 20% lighter version of the original color is **42.9468, 47.0415, 59.6397**, and **7.1960, 8.1877, 11.5570** is the 20% darker color. If you saturate the color by 10%, you get **17.7331, 20.1038, 28.9327**, and if you desaturate by 10%, it is **22.6400, 24.5084, 29.5243**.

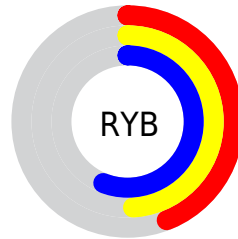
Distribution



Red (44%)

Green (52%)

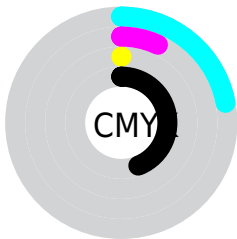
Blue (56%)



Red (44%)

Yellow (49%)

Blue (56%)

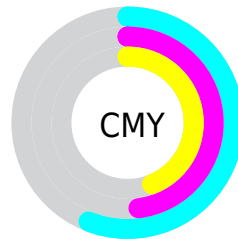


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (44%)



Cyan (56%)

Magenta (48%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0275, 22.2030, 29.2166 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 20.0275, 22.2030, 29.2166 by changing the saturation by 10% instead.

■ 20.0275, 22.2030,
29.2166

■ 20.0275, 22.2030,
29.2166

244.8947,
263.6046, 312.3284

■ 12.5234, 14.0061,
18.9978

■ 42.9669, 47.0813,
59.4673

■ 7.1759, 8.1249,
11.4919

■ 59.1329, 64.5315,
80.3363

■ 3.6197, 4.1750,
6.2804

■ 78.9169, 85.8349,
105.5924

■ 1.4893, 1.7719,
2.9448

■ 102.6843,
111.3760, 135.6541

■ 0.3185, 0.4696,
1.0665

130.8004,
141.5391, 170.9400

■ 0.0000, 0.0000,
0.0000

163.6306,

176.7087, 211.8687

201.5402,
217.2690, 258.8587

■ 20.0275, 22.2030,
29.2166

■ 20.0275, 22.2030,
29.2166

■ 17.7331, 20.1038,
28.9327

■ 22.6400, 24.5084,
29.5243

■ 15.7408, 18.2005,
28.6703

■ 25.5816, 27.0246,
29.8549

■ 14.0361, 16.4856,
28.4292

■ 28.8653, 29.7593,
30.2097

■ 12.6028, 14.9501,
28.2083

■ 32.5027, 32.7191,
30.5893

■ 11.4225, 13.5841,
28.0069

■ 36.5049, 35.9101,
30.9942

■ 10.4745, 12.3763,
27.8237

■ 40.8825, 39.3382,
31.4252

■ 9.7347, 11.3136,
27.6576

■ 45.6455, 43.0091,
31.8827

■ 9.2217, 10.5107,
27.5296

■ 50.8038, 46.9284,
32.3673

■ 56.3667, 51.1012,
32.8796

Harmonies

Analogous

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



19.3793, 22.2030, 26.7902



20.0275, 22.2030, 29.2166



20.9808, 22.2030, 30.2894

Triad

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



20.0275, 22.2030, 29.2166



23.1422, 22.2030, 24.5286



20.2335, 22.2030, 19.4444

Complementary

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



20.0275, 22.2030, 29.2166



21.2119, 20.9284, 18.2511

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.



21.2263, 22.2030, 18.9449



20.0275, 22.2030, 29.2166



22.9266, 22.2030, 21.7363

Square

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



20.0275, 22.2030, 29.2166



22.7971, 22.2030, 27.4476



22.2169, 22.2030, 19.7501



19.4955, 22.2030, 21.1740

Rectangle

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



20.0275, 22.2030, 29.2166



21.6689, 22.2030, 30.0331



22.2169, 22.2030, 19.7501



20.5476, 22.2030, 19.1335

Sweetspot

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



20.0282, 22.2039, 29.2171



42.8561, 45.8838, 53.1357



20.0064, 24.4906, 22.0259



9.7680, 10.4709, 12.1785



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.0282, 22.2039, 29.2171



33.7953, 37.8863, 52.0696



18.0815, 18.3107, 28.5682



5.4156, 5.8270, 6.8681



8.1731, 9.3322, 24.3476



0.0982, 0.1293, 0.2395

Inverse Universe

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



21.3560, 19.1218, 24.7567



36.6459, 31.4863, 42.4450



23.2434, 24.9913, 18.9283



5.5533, 5.4818, 6.4115



11.9285, 5.9284, 10.5409



0.1242, 0.0607, 0.1540

Previews

White Background



This preview shows how the XYZ color 20.0275, 22.2030, 29.2166 looks on a white background.

Color Contrast Check

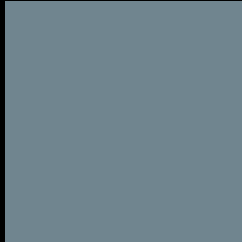
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0275, 22.2030, 29.2166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

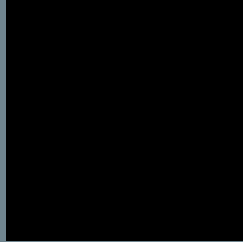
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

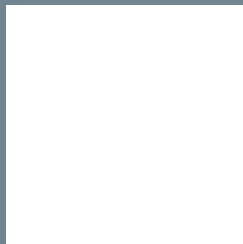
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0275, 22.2030, 29.2166

Background



This preview shows how black text looks on a background with the XYZ color 20.0275, 22.2030, 29.2166.



This preview shows how white text looks on a background with the XYZ color 20.0275, 22.2030,

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

20.0275, 22.2030, 29.2166

Protanopia

21.6371, 22.2611, 27.9674

Deuteranopia

22.4866, 22.0862, 29.4635



Tritanopia

20.1037, 22.2334, 29.6175

Trichromacy



Original Color

20.0275, 22.2030, 29.2166

Protanomaly

20.9587, 22.0993, 28.3603

Deuteranomaly

21.6367, 22.2262, 29.5353

Tritanomaly

20.1037, 22.2334, 29.6175

Monochromacy



Original Color

20.0275, 22.2030, 29.2166

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2423, 21.7963, 25.3305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0275, 22.2030, 29.2166 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(112, 133, 143)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 143)  
}
```

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(112, 133, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.0275, 22.2030, 29.2166 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(112, 133, 143) }
```


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

```
.border{ border-color:rgb(112, 133, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 143);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0275, 22.2030, 29.2166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 143) }
```

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

```
.background{ background-color: rgb(112,  
133, 143) }
```

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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