

Converting Colors

XYZ(20.9482, 22.6385, 30.1954)

Have a look what the booklet for
XYZ(20.9482, 22.6385, 30.1954)
contains.

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Color

**XYZ(20.9696, 22.6709,
30.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	768591
RGB	118, 133, 145
RGB Percent	46%, 52%, 57%
CMY	0.5372, 0.4784, 0.4314
CMYK	0.19, 0.08, 0.00, 0.43
HSL	207°, 11%, 52%
HSV	207°, 19%, 57%
XYZ	20.9696, 22.6709, 30.0588
YIQ	129.8830, -12.7920, 0.5520

Conversions

Conversions Part 2

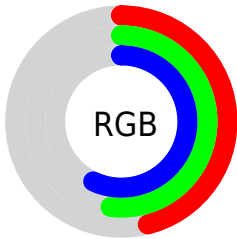
Format	Color
R_{YB}	118, 128, 145
Decimal	7767441
CIE _{Lab}	54.73, -2.75, -8.28
CIE _{LCh}	55, 8.721, 251.601
Yxy	22.6709, 0.2845, 0.3076
Android (android.graphics.Color)	4285957521 (0xFF768591)
YUV	129.8830, 7.4527, -10.4214
Hunter-Lab	47.6140, -4.7115, -4.1001

Details

The XYZ color **20.9696, 22.6709, 30.0588** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.9300, 23.2932, 20.4276**, and the grayscale version is **21.1550, 22.2567, 24.2376**.

A 20% lighter version of the original color is **44.4453, 47.7874, 60.9142**, and **7.6901, 8.4321, 12.0487** is the 20% darker color. If you saturate the color by 10%, you get **18.2947, 20.0227, 29.6890**, and if you desaturate by 10%, it is **24.0027, 25.5853, 30.4618**.

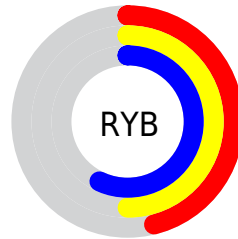
Distribution



Red (46%)

Green (52%)

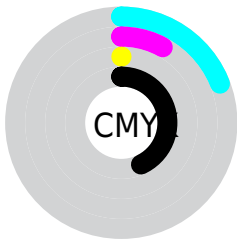
Blue (57%)



Red (46%)

Yellow (50%)

Blue (57%)

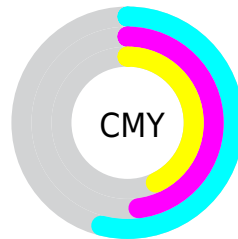


Cyan (19%)

Magenta (8%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (48%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9696, 22.6709, 30.0588 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 20.9696, 22.6709, 30.0588 by changing the saturation by 10% instead.

■ 20.9696, 22.6709,
30.0588

■ 20.9696, 22.6709,
30.0588

249.8517,
266.0301, 316.3943

■ 13.2141, 14.3507,
19.6308

■ 44.5286, 47.8524,
60.8173

■ 7.6542, 8.3650,
11.9455

■ 61.0628, 65.4824,
81.9848

■ 3.9244, 4.3294,
6.5845

■ 81.2540, 86.9846,
107.5692

■ 1.6595, 1.8595,
3.1292

105.4675,
112.7432, 137.9892

■ 0.4307, 0.5238,
1.1610

134.0686,
143.1426, 173.6631

■ 0.0000, 0.0000,
0.0000

167.4228,

178.5674, 215.0095

205.8954,
219.4017, 262.4471

■ 20.9696, 22.6709,
30.0588

■ 20.9696, 22.6709,
30.0588

■ 18.2947, 20.0227,
29.6890

■ 24.0027, 25.5853,
30.4618

■ 15.9612, 17.6289,
29.3499

■ 27.4059, 28.7716,
30.8975

■ 13.9540, 15.4808,
29.0411

■ 31.1928, 32.2388,
31.3671

■ 12.2559, 13.5679,
28.7614

■ 35.3759, 35.9947,
31.8716

■ 10.8480, 11.8791,
28.5096

■ 39.9670, 40.0467,
32.4118

■ 9.7090, 10.4016,
28.2845

■ 44.9774, 44.4018,
32.9883

■ 8.8144, 9.1214,
28.0845

■ 50.4180, 49.0669,
33.6020

■ 8.1121, 8.0095,
27.9069

■ 56.2991, 54.0485,
34.2536

■ 8.0209, 7.8644,
27.8837

■ 62.6310, 59.3532,
34.9438

Harmonies

Analogous

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



20.1946, 22.6709, 28.3706



20.9696, 22.6709, 30.0588



21.9220, 22.6709, 30.2445

Triad

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



20.9696, 22.6709, 30.0588



23.4107, 22.6709, 23.6350



20.3434, 22.6709, 20.9325

Complementary

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



20.9696, 22.6709, 30.0588



22.9300, 23.2932, 20.4276

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.



21.1783, 22.6709, 19.8519



20.9696, 22.6709, 30.0588



22.9606, 22.6709, 21.3328

Square

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



20.9696, 22.6709, 30.0588



23.3508, 22.6709, 26.3943



22.1370, 22.6709, 19.9927



19.8405, 22.6709, 23.0506

Rectangle

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



20.9696, 22.6709, 30.0588



22.5316, 22.6709, 29.4758



22.1370, 22.6709, 19.9927



20.5935, 22.6709, 20.4432

Sweetspot

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



20.9703, 22.6718, 30.0593



44.4422, 47.1961, 54.7410



21.6063, 25.7065, 24.8373



9.8132, 10.4301, 12.1682



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.



20.9703, 22.6718, 30.0593



35.6406, 38.7251, 53.5698



19.2751, 19.2814, 29.4942



5.3624, 5.7206, 6.8503



6.9059, 6.7978, 23.9252



0.0880, 0.1090, 0.2361

Inverse Universe

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



22.3897, 20.6707, 25.0010



38.6541, 34.6176, 42.7995



24.8000, 27.0332, 21.0510



5.5264, 5.4711, 6.2700



11.2889, 5.6726, 7.1726



0.1190, 0.0587, 0.1271

Previews

White Background



This preview shows how the XYZ color 20.9696, 22.6709, 30.0588 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 20.9696, 22.6709, 30.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

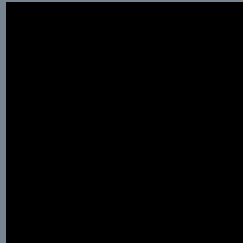
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

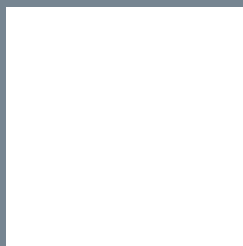
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9696, 22.6709, 30.0588

Background



This preview shows how black text looks on a background with the XYZ color 20.9696, 22.6709, 30.0588.

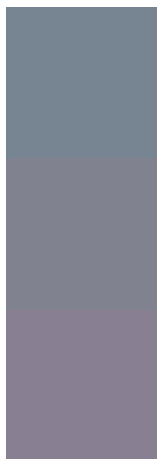


This preview shows how white text looks on a background with the XYZ color 20.9696, 22.6709,

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

20.9696, 22.6709, 30.0588

Protanopia

21.9938, 22.6156, 29.1926

Deuteranopia

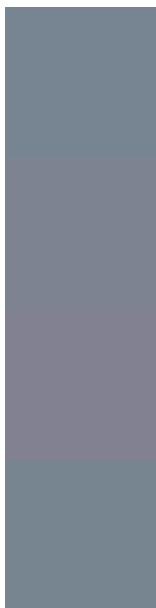
22.9310, 22.4883, 30.3262



Tritanopia

20.8928, 22.6402, 29.6544

Trichromacy



Original Color

20.9696, 22.6709, 30.0588

Protanomaly

21.6078, 22.6062, 29.6101

Deuteranomaly

22.0918, 22.4430, 30.3617

Tritanomaly

20.8928, 22.6402, 29.6544

Monochromacy



Original Color

20.9696, 22.6709, 30.0588

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0937, 22.4175, 26.1369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9696, 22.6709, 30.0588 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(118, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(118, 133, 145)  
}
```

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(118, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 133, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.9696, 22.6709, 30.0588 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(118, 133, 145) }
```


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

```
.border{ border-color:rgb(118, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(118, 133,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9696, 22.6709, 30.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 133, 145) }
```

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

```
.background{ background-color: rgb(118,  
133, 145) }
```

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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