

Converting Colors

XYZ(20.8543, 22.1339, 33.3221)

Have a look what the booklet for
XYZ(20.8543, 22.1339, 33.3221)
contains.

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Color

**XYZ(20.8055, 22.1099,
33.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	728399
RGB	114, 131, 153
RGB Percent	45%, 51%, 60%
CMY	0.5529, 0.4863, 0.4000
CMYK	0.25, 0.14, 0.00, 0.40
HSL	214°, 16%, 52%
HSV	214°, 25%, 60%
XYZ	20.8055, 22.1099, 33.3081
YIQ	128.4250, -17.1940, 3.2380

Conversions

Conversions Part 2

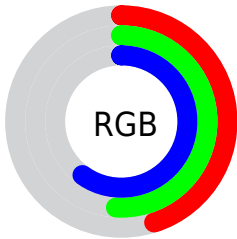
Format	Color
RYB	114, 126, 153
Decimal	7504793
CIELab	54.14, -1.01, -13.82
CIELCh	54, 13.859, 265.833
Yxy	22.1099, 0.2730, 0.2901
Android (android.graphics.Color)	4285694873 (0xFF728399)
YUV	128.4250, 12.1155, -12.6507
Hunter-Lab	47.0212, -3.3060, -9.0841

Details

The XYZ color **20.8055, 22.1099, 33.3081** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9786, 25.5957, 19.5441**, and the grayscale version is **20.6294, 21.7038, 23.6354**.

A 20% lighter version of the original color is **44.1289, 46.8930, 65.7569**, and **7.5955, 8.1177, 13.7369** is the 20% darker color. If you saturate the color by 10%, you get **17.8683, 18.9465, 32.8527**, and if you desaturate by 10%, it is **24.1736, 25.6398, 33.8123**.

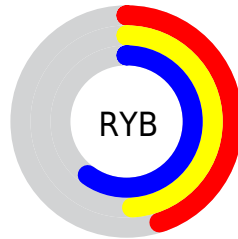
Distribution



Red (45%)

Green (51%)

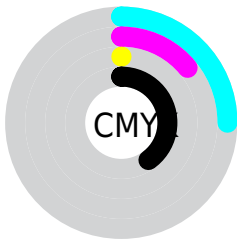
Blue (60%)



Red (45%)

Yellow (49%)

Blue (60%)

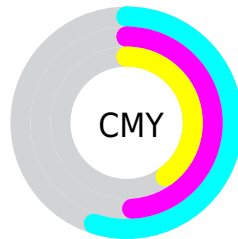


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (49%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8055, 22.1099, 33.3081 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 20.8055, 22.1099, 33.3081 by changing the saturation by 10% instead.

■ 20.8055, 22.1099,
33.3081

■ 20.8055, 22.1099,
33.3081

248.9943,
263.1197, 331.7103

■ 13.0936, 13.9377,
22.0895

■ 44.2573, 46.9276,
65.9778

■ 7.5704, 8.0773,
13.7238

■ 60.7279, 64.3418,
88.2660

■ 3.8708, 4.1445,
7.7922

■ 80.8488, 85.6055,
115.0812

■ 1.6293, 1.7547,
3.8764

104.9852,
111.1030, 146.8418

■ 0.4114, 0.4587,
1.5578

133.5027,
141.2188, 183.9665

■ 0.0000, 0.0000,
0.2604

166.7664,

■ 0.0000, 0.0000,

176.3373, 226.8738

0.0000

205.1419,
216.8428, 275.9822

■ 20.8055, 22.1099,
33.3081

■ 20.8055, 22.1099,
33.3081

■ 17.8683, 18.9465,
32.8527

■ 24.1736, 25.6398,
33.8123

■ 15.3409, 16.1338,
32.4430

■ 27.9882, 29.5461,
34.3652

■ 13.2038, 13.6584,
32.0778

■ 32.2665, 33.8415,
34.9688

■ 11.4345, 11.5053,
31.7555

■ 37.0244, 38.5371,
35.6244

■ 10.0084, 9.6576,
31.4740

■ 42.2767, 43.6437,
36.3333

■ 8.8971, 8.0966,
31.2313

■ 48.0378, 49.1718,
37.0966

■ 8.0635, 6.7990,
31.0247

■ 54.3214, 55.1312,
37.9157

■ 7.7391, 6.2784,
30.9413

■ 61.1406, 61.5315,
38.7917

■ 68.5082, 68.3820,
39.7257

Harmonies

Analogous

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



19.4332, 22.1099, 31.5919



20.8055, 22.1099, 33.3081



22.2994, 22.1099, 32.3183

Triad

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



20.8055, 22.1099, 33.3081



23.7248, 22.1099, 20.6445



18.7132, 22.1099, 19.7185

Complementary

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



20.8055, 22.1099, 33.3081



24.9786, 25.5957, 19.5441

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.



19.7805, 22.1099, 17.3664



20.8055, 22.1099, 33.3081



22.6800, 22.1099, 17.8546

Square

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



20.8055, 22.1099, 33.3081



24.0309, 22.1099, 24.6804



21.2255, 22.1099, 16.7267



18.2622, 22.1099, 23.4775

Rectangle

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



20.8055, 22.1099, 33.3081



23.1567, 22.1099, 30.3134



21.2255, 22.1099, 16.7267



19.0092, 22.1099, 18.7554

Sweetspot

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



20.8062, 22.1108, 33.3086



48.2199, 50.9789, 61.2704



22.7361, 28.1223, 27.3185



10.4307, 11.0354, 13.4978



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.8062, 22.1108, 33.3086



33.9502, 36.0515, 59.1412



18.9634, 18.0447, 32.6209



6.0949, 6.4472, 7.8522



6.4282, 5.2532, 25.5829



0.1314, 0.1491, 0.3942

Inverse Universe

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



23.2515, 20.4462, 24.1947



39.2183, 32.7730, 39.4375



27.2007, 30.5819, 20.3894



6.3150, 6.2652, 7.0390



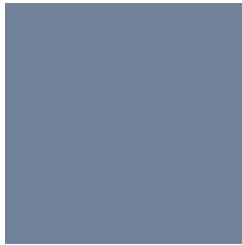
11.7034, 5.9356, 4.9634



0.1928, 0.0959, 0.1679

Previews

White Background



This preview shows how the XYZ color 20.8055, 22.1099, 33.3081 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 20.8055, 22.1099, 33.3081 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

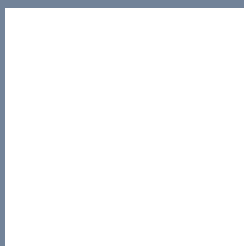
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8055, 22.1099, 33.3081

Background



This preview shows how black text looks on a background with the XYZ color 20.8055, 22.1099, 33.3081.



This preview shows how white text looks on a background with the XYZ color 20.8055, 22.1099,

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

20.8055, 22.1099, 33.3081

Protanopia

21.7625, 22.0327, 32.3839

Deuteranopia

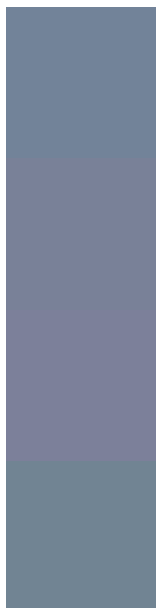
22.4995, 22.0006, 33.6325



Tritanopia

20.0275, 22.2030, 29.2166

Trichromacy



Original Color

20.8055, 22.1099, 33.3081

Protanomaly

21.4029, 22.0325, 32.8304

Deuteranomaly

21.8641, 22.0565, 33.6768

Tritanomaly

20.3278, 22.1198, 30.8019

Monochromacy



Original Color

20.8055, 22.1099, 33.3081

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5340, 21.7176, 26.7766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8055, 22.1099, 33.3081 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(114, 131, 153)` looks like.

```
.text, #text, p{  
    color:rgb(114, 131, 153)  
}
```

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(114, 131, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 131, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.8055, 22.1099, 33.3081 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(114, 131, 153) }
```


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

```
.border{ border-color:rgb(114, 131, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 131, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 131, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 131, 153);  
box-shadow:4px 4px 4px 4px rgb(114, 131,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8055, 22.1099, 33.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 131, 153) }
```

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

```
.background{ background-color: rgb(114,  
131, 153) }
```

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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