

Converting Colors

XYZ(20.8807, 23.2256, 30.9862)

Have a look what the booklet for
XYZ(20.8807, 23.2256, 30.9862)
contains.

XYZ(20.8807, 23.2256, 30.9862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8807, 23.2256,
30.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	718893
RGB	113, 136, 147
RGB Percent	44%, 53%, 58%
CMY	0.5569, 0.4667, 0.4235
CMYK	0.23, 0.07, 0.00, 0.42
HSL	199°, 14%, 51%
HSV	199°, 23%, 58%
XYZ	20.8807, 23.2256, 30.9862
YIQ	130.3770, -17.2390, -1.4550

Conversions

Conversions Part 2

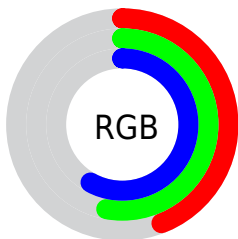
Format	Color
R_{YB}	113, 127, 147
Decimal	7440531
CIE _{Lab}	55.30, -5.65, -8.61
CIE _{LCh}	55, 10.300, 236.756
Yxy	23.2256, 0.2781, 0.3093
Android (android.graphics.Color)	4285630611 (0xFF718893)
YUV	130.3770, 8.1951, -15.2396
Hunter-Lab	48.1929, -6.9984, -4.3861

Details

The XYZ color **20.8807, 23.2256, 30.9862** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2212, 21.8108, 18.6621**, and the grayscale version is **21.3284, 22.4392, 24.4362**.

A 20% lighter version of the original color is **44.2573, 48.6116, 62.3087**, and **7.5535, 8.5901, 12.3263** is the 20% darker color. If you saturate the color by 10%, you get **18.4858, 21.0193, 30.6869**, and if you desaturate by 10%, it is **23.6131, 25.6512, 31.3108**.

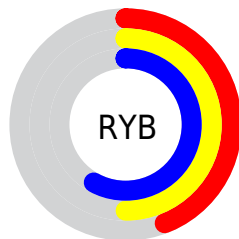
Distribution



Red (44%)

Green (53%)

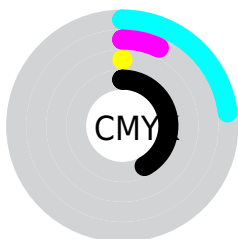
Blue (58%)



Red (44%)

Yellow (50%)

Blue (58%)

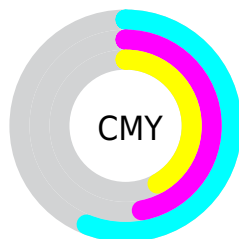


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (47%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8807, 23.2256, 30.9862 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 20.8807, 23.2256, 30.9862 by changing the saturation by 10% instead.

■ 20.8807, 23.2256,
30.9862

■ 20.8807, 23.2256,
30.9862

249.3875,
268.8816, 320.8240

■ 13.1488, 14.7602,
20.3300

■ 44.3817, 48.7635,
62.2977

■ 7.6088, 8.6512,
12.4487

■ 60.8815, 66.6048,
83.7900

■ 3.8953, 4.5144,
6.9238

■ 81.0346, 88.3401,
109.7314

■ 1.6431, 1.9653,
3.3368

■ 105.2064,
114.3539, 140.5405

■ 0.4202, 0.5872,
1.2690

133.7622,
145.0305, 176.6357

■ 0.0000, 0.0000,
0.0362

167.0674,

■ 0.0000, 0.0000,

180.7545, 218.4357

0.0000

205.4874,
221.9100, 266.3589

■ 20.8807, 23.2256,
30.9862

■ 20.8807, 23.2256,
30.9862

■ 18.4858, 21.0193,
30.6869

■ 23.6131, 25.6512,
31.3108

■ 16.4111, 19.0210,
30.4106

■ 26.6950, 28.3011,
31.6598

■ 14.6411, 17.2228,
30.1568

■ 30.1404, 31.1835,
32.0346

■ 13.1578, 15.6147,
29.9246

■ 33.9618, 34.3056,
32.4358

■ 11.9415, 14.1861,
29.7129

■ 38.1711, 37.6739,
32.8641

■ 10.9695, 12.9246,
29.5207

■ 42.7798, 41.2949,
33.3201

■ 10.2150, 11.8158,
29.3464

■ 47.7986, 45.1746,
33.8044

■ 9.7709, 11.1154,
29.2346

■ 53.2382, 49.3190,
34.3177

■ 59.1086, 53.7339,
34.8604

Harmonies

Analogous

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



20.1521, 23.2256, 28.2597



20.8807, 23.2256, 30.9862



21.9499, 23.2256, 32.1808

Triad

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



20.8807, 23.2256, 30.9862



24.3662, 23.2256, 25.6502



21.0910, 23.2256, 20.0268

Complementary

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



20.8807, 23.2256, 30.9862



22.2212, 21.8108, 18.6621

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.



22.2011, 23.2256, 19.4585



20.8807, 23.2256, 30.9862



24.1170, 23.2256, 22.5337

Square

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



20.8807, 23.2256, 30.9862



23.9840, 23.2256, 28.9359



23.3145, 23.2256, 20.3363



20.2705, 23.2256, 21.9616

Rectangle

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



20.8807, 23.2256, 30.9862



22.7213, 23.2256, 31.8768



23.3145, 23.2256, 20.3363



21.4415, 23.2256, 19.6774

Sweetspot

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



20.8814, 23.2265, 30.9867



45.5133, 48.7277, 56.4412



20.8676, 25.8279, 22.8775



10.3247, 11.0677, 12.8769



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.8814, 23.2265, 30.9867



34.9852, 39.3943, 55.1945



18.7017, 18.8672, 30.2602



5.8076, 6.2491, 7.3698



8.4938, 9.6824, 25.3523



0.1308, 0.1721, 0.3192

Inverse Universe

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



22.3823, 19.7915, 25.9340



38.2272, 32.2530, 44.2179



24.5042, 26.3768, 19.4231



5.9563, 5.8776, 6.8761



12.4144, 6.1708, 10.9289



0.1655, 0.0809, 0.2051

Previews

White Background



This preview shows how the XYZ color 20.8807, 23.2256, 30.9862 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 20.8807, 23.2256, 30.9862 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

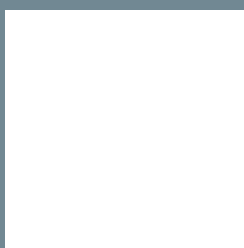
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8807, 23.2256, 30.9862

Background



This preview shows how black text looks on a background with the XYZ color 20.8807, 23.2256, 30.9862.



This preview shows how white text looks on a background with the XYZ color 20.8807, 23.2256,

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

20.8807, 23.2256, 30.9862

Protanopia

22.5104, 23.0715, 29.6524

Deuteranopia

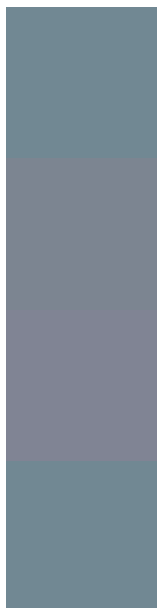
23.5916, 23.1888, 31.6662



Tritanopia

20.8807, 23.2256, 30.9862

Trichromacy



Original Color

20.8807, 23.2256, 30.9862

Protanomaly

21.8105, 23.1045, 30.0981

Deuteranomaly

22.4986, 23.2298, 31.3150

Tritanomaly

20.8807, 23.2256, 30.9862

Monochromacy



Original Color

20.8807, 23.2256, 30.9862

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0074, 22.5652, 26.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8807, 23.2256, 30.9862 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(113, 136, 147)` looks like.

```
.text, #text, p{  
    color:rgb(113, 136, 147)  
}
```

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(113, 136, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 136, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.8807, 23.2256, 30.9862 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(113, 136, 147) }
```


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

```
.border{ border-color:rgb(113, 136, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 136, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 136, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 136, 147);  
box-shadow:4px 4px 4px 4px rgb(113, 136,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8807, 23.2256, 30.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 136, 147) }
```

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

```
.background{ background-color: rgb(113,  
136, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor