

Converting Colors

XYZ(20.8173, 24.4910, 40.6928)

Have a look what the booklet for
XYZ(20.8173, 24.4910, 40.6928)
contains.

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Color

**XYZ(20.8208, 24.4983,
40.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	578FA8
RGB	87, 143, 168
RGB Percent	34%, 56%, 66%
CMY	0.6588, 0.4392, 0.3412
CMYK	0.48, 0.15, 0.00, 0.34
HSL	199°, 32%, 50%
HSV	199°, 48%, 66%
XYZ	20.8208, 24.4983, 40.6771
YIQ	129.1060, -41.4010, -4.0970

Conversions

Conversions Part 2

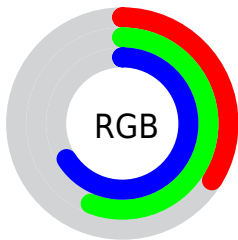
Format	Color
R _Y B	87, 120, 168
Decimal	5738408
CIE Lab	56.58, -11.45, -18.90
CIE LCh	57, 22.098, 238.792
Yxy	24.4983, 0.2421, 0.2849
Android (android.graphics.Color)	4283928488 (0xFF578FA8)
YUV	129.1060, 19.1747, -36.9270
Hunter-Lab	49.4958, -11.5301, -14.0793

Details

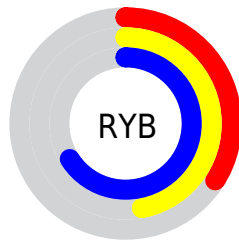
The XYZ color **20.8208, 24.4983, 40.6771** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.6635, 20.6019, 11.7469**, and the grayscale version is **20.8493, 21.9351, 23.8874**.

A 20% lighter version of the original color is **44.2700, 50.9229, 77.3079**, and **7.6022, 9.3657, 17.9301** is the 20% darker color. If you saturate the color by 10%, you get **18.6707, 22.2614, 40.3591**, and if you desaturate by 10%, it is **23.3734, 26.9972, 41.0253**.

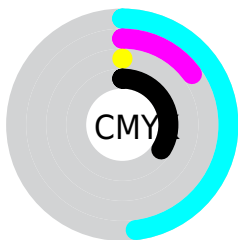
Distribution



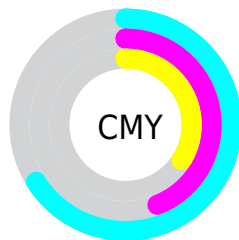
- Red (34%)
- Green (56%)
- Blue (66%)



- Red (34%)
- Yellow (47%)
- Blue (66%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (44%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8208, 24.4983, 40.6771 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 20.8208, 24.4983, 40.6771 by changing the saturation by 10% instead.

■ 20.8208, 24.4983,
40.6771

■ 20.8208, 24.4983,
40.6771

249.0744,
275.3301, 364.6058

■ 13.1048, 15.7037,
27.7491

■ 44.2826, 50.8421,
77.4418

■ 7.5782, 9.3147,
17.8992

■ 60.7592, 69.1601,
102.1156

■ 3.8758, 4.9470,
10.7089

■ 80.8866, 91.4214,
131.5417

■ 1.6321, 2.2162,
5.7598

■ 105.0302,
118.0103, 166.1386

■ 0.4132, 0.7288,
2.6332

133.5555,
149.3112, 206.3250

■ 0.0000, 0.0000,
0.9095

166.8277,

■ 0.0000, 0.0000,

185.7086, 252.5193

0.0000

205.2122,
227.5867, 305.1400

■ 20.8208, 24.4983,
40.6771

■ 20.8208, 24.4983,
40.6771

■ 18.6707, 22.2614,
40.3591

■ 23.3734, 26.9972,
41.0253

■ 16.8947, 20.2696,
40.0682

■ 26.3500, 29.7682,
41.4033

■ 15.4640, 18.5077,
39.8036

■ 29.7730, 32.8241,
41.8128

■ 14.3442, 16.9574,
39.5634

■ 33.6627, 36.1761,
42.2548

■ 13.4758, 15.5871,
39.3446

■ 38.0379, 39.8346,
42.7303

■ 13.3307, 15.3526,
39.3070

■ 42.9166, 43.8094,
43.2404

■ 48.3156, 48.1098,
43.7859

■ 54.2510, 52.7448,
44.3677

■ 60.7381, 57.7230,
44.9867

Harmonies

Analogous

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



19.2231, 24.4983, 34.0752



20.8208, 24.4983, 40.6771



23.1810, 24.4983, 43.4424

Triad

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



20.8208, 24.4983, 40.6771



28.5742, 24.4983, 26.9736



20.9885, 24.4983, 16.1084

Complementary

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



20.8208, 24.4983, 40.6771



23.6635, 20.6019, 11.7469

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.



23.3891, 24.4983, 14.8945



20.8208, 24.4983, 40.6771



27.8820, 24.4983, 20.4313

Square

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



20.8208, 24.4983, 40.6771



27.7649, 24.4983, 34.6865



25.9361, 24.4983, 16.3223



19.3148, 24.4983, 20.0023

Rectangle

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



20.8208, 24.4983, 40.6771



24.9107, 24.4983, 42.4124



25.9361, 24.4983, 16.3223



21.7314, 24.4983, 15.4089

Sweetspot

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



20.8216, 24.4992, 40.6777



56.7156, 61.9043, 76.1846



20.8195, 31.1864, 20.0487



12.0507, 13.2227, 16.5692



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.8216, 24.4992, 40.6777



33.5800, 40.0712, 73.1898



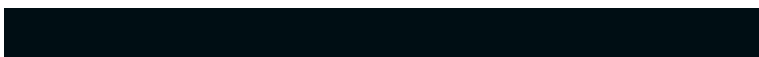
15.8692, 14.5945, 39.0269



7.5493, 8.1355, 9.5908



10.1137, 11.6875, 29.6984



0.2883, 0.3688, 0.7366

Inverse Universe

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



24.5152, 17.1251, 28.0009



41.3828, 26.0764, 46.0555



29.0651, 31.4052, 13.5474



7.7418, 7.6266, 8.9578



14.6055, 7.2509, 13.2661



0.3767, 0.1849, 0.4350

Previews

White Background



This preview shows how the XYZ color 20.8208, 24.4983, 40.6771 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 20.8208, 24.4983, 40.6771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

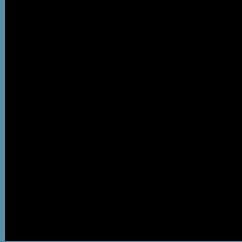
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8208, 24.4983, 40.6771

Background



This preview shows how black text looks on a background with the XYZ color 20.8208, 24.4983, 40.6771.



This preview shows how white text looks on a background with the XYZ color 20.8208, 24.4983,

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

20.8208, 24.4983, 40.6771

Protanopia

24.0999, 24.3260, 37.6076

Deuteranopia

24.8491, 24.4232, 41.4347



Tritanopia

19.7785, 24.5241, 35.5895

Trichromacy



Original Color

20.8208, 24.4983, 40.6771

Protanomaly

22.5859, 24.1491, 38.5928

Deuteranomaly

23.0465, 24.3333, 41.0182

Tritanomaly

20.0624, 24.4045, 37.3714

Monochromacy



Original Color

20.8208, 24.4983, 40.6771

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4225, 22.6108, 29.2745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8208, 24.4983, 40.6771 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(87, 143, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 143, 168)  
}
```

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(87, 143, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 143, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.8208, 24.4983, 40.6771 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(87, 143, 168) }
```


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

```
.border{ border-color:rgb(87, 143, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 143, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 143, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 143, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 143,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8208, 24.4983, 40.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 143, 168) }
```

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

```
.background{ background-color: rgb(87, 143,  
168) }
```

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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