

Converting Colors

XYZ(20.8376, 25.9887, 47.0872)

Have a look what the booklet for
XYZ(20.8376, 25.9887, 47.0872)
contains.

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Color

**XYZ(20.8319, 25.9778,
47.0963)**

Conversions

Conversions Part 1

Format	Color
Hex	3996B4
RGB	57, 150, 180
RGB Percent	22%, 59%, 71%
CMY	0.7764, 0.4118, 0.2941
CMYK	0.68, 0.17, 0.00, 0.29
HSL	195°, 52%, 46%
HSV	195°, 68%, 71%
XYZ	20.8319, 25.9778, 47.0963
YIQ	125.6130, -65.0580, -10.3860

Conversions

Conversions Part 2

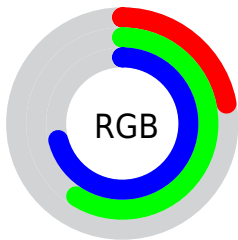
Format	Color
R _Y B	57, 110, 180
Decimal	3774132
CIE Lab	58.02, -17.57, -23.64
CIE LCh	58, 29.455, 233.376
Yxy	25.9778, 0.2218, 0.2766
Android (android.graphics.Color)	4281964212 (0xFF3996B4)
YUV	125.6130, 26.8128, -60.1736
Hunter-Lab	50.9684, -16.2379, -19.1078




Details

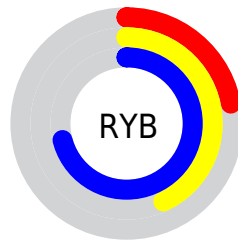
The XYZ color **20.8319, 25.9778, 47.0963** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.9701, 16.8163, 5.9071**, and the grayscale version is **19.6288, 20.6510, 22.4890**.




A 20% lighter version of the original color is **44.2044, 53.0934, 87.2751**, and **8.2926, 10.4560, 21.6598** is the 20% darker color. If you saturate the color by 10%, you get **19.2944, 24.1650, 46.8279**, and if you desaturate by 10%, it is **22.7610, 28.0324, 47.3917**.

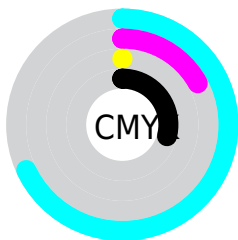
Distribution







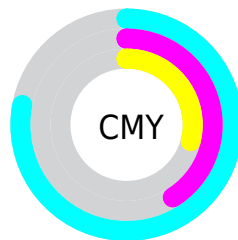
-  Red (22%)
-  Green (59%)
-  Blue (71%)






-  Red (22%)
-  Yellow (43%)
-  Blue (71%)



-  Cyan (68%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (29%)



-  Cyan (78%)
-  Magenta (41%)
-  Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8319, 25.9778, 47.0963 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 20.8319, 25.9778, 47.0963 by changing the saturation by 10% instead.

■ 20.8319, 25.9778,
47.0963

■ 20.8319, 25.9778,
47.0963

249.1324,
282.6731, 391.6037

■ 13.1129, 16.8070,
32.7569

■ 44.3010, 53.2391,
87.2088

■ 7.5839, 10.0970,
21.6707

■ 60.7818, 72.0985,
113.8191

■ 3.8794, 5.4633,
13.4191

■ 80.9140, 94.9562,
145.3566

■ 1.6341, 2.5216,
7.5837

■ 105.0629,
122.1965, 182.2401

■ 0.4145, 0.8874,
3.7458

■ 133.5938,
154.2040, 224.8880

■ 0.0000, 0.0000,
1.4870

166.8721,

■ 0.0000, 0.0000,

191.3630, 273.7189

0.2082

205.2632,
234.0579, 329.1512

■ 0.0000, 0.0000,
0.0000

■ 20.8319, 25.9778,
47.0963

■ 20.8319, 25.9778,
47.0963

■ 19.2944, 24.1650,
46.8279

■ 22.7610, 28.0324,
47.3917

■ 18.1053, 22.5699,
46.5827

■ 25.1141, 30.3445,
47.7140

■ 17.1976, 21.1580,
46.3580

■ 27.9228, 32.9312,
48.0652

■ 17.0562, 20.9311,
46.3217

■ 31.2150, 35.8074,
48.4469

■ 35.0161, 38.9866,
48.8602

■ 39.3500, 42.4813,
49.3063

■ 44.2387, 46.3035,
49.7864

■ 49.7030, 50.4642,
50.3015

■ 55.7629, 54.9739,
50.8525

Harmonies

Analogous

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



18.9305, 25.9778, 36.7899



20.8319, 25.9778, 47.0963



23.9106, 25.9778, 52.5423

Triad

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



20.8319, 25.9778, 47.0963



32.1264, 25.9778, 30.6054



22.0759, 25.9778, 13.8470

Complementary

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



20.8319, 25.9778, 47.0963



22.9701, 16.8163, 5.9071

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.



25.4884, 25.9778, 12.9498



20.8319, 25.9778, 47.0963



31.5157, 25.9778, 21.2043

Square

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



20.8319, 25.9778, 47.0963



30.5966, 25.9778, 41.6524



28.9998, 25.9778, 15.2983



19.5991, 25.9778, 18.1362

Rectangle

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



20.8319, 25.9778, 47.0963



26.3073, 25.9778, 51.9392



28.9998, 25.9778, 15.2983



23.1425, 25.9778, 13.1892

Sweetspot

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



20.8328, 25.9787, 47.0969



62.0273, 69.4845, 88.4373



19.6771, 34.1801, 14.3025



12.9854, 14.6682, 19.0691



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.8328, 25.9787, 47.0969



33.8166, 42.3016, 84.6773



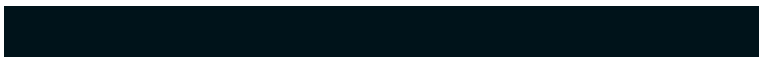
13.5659, 11.4450, 44.6746



8.5636, 9.2734, 10.8449



11.9586, 14.7175, 32.3475



0.4186, 0.5477, 1.0319

Inverse Universe

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



25.7913, 14.8325, 30.3586



44.0076, 22.8833, 49.4932



30.0266, 30.9294, 8.2593



8.7597, 8.6106, 10.2328



16.2708, 8.0259, 17.1178



0.5333, 0.2611, 0.6510

Previews

White Background



This preview shows how the XYZ color 20.8319, 25.9778, 47.0963 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 20.8319, 25.9778, 47.0963 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

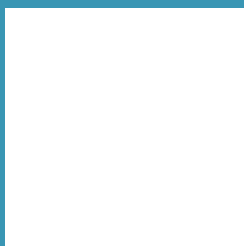
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8319, 25.9778, 47.0963

Background



This preview shows how black text looks on a background with the XYZ color 20.8319, 25.9778, 47.0963.

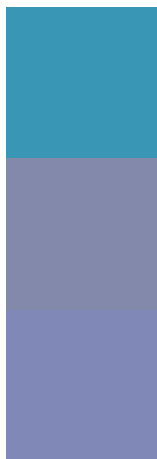


This preview shows how white text looks on a background with the XYZ color 20.8319, 25.9778,

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

20.8319, 25.9778, 47.0963

Protanopia

25.6564, 25.6569, 42.1281

Deuteranopia

26.2535, 25.6164, 48.3605



Tritanopia

19.4017, 26.1275, 39.6178

Trichromacy



Original Color

20.8319, 25.9778, 47.0963

Protanomaly

23.0219, 25.3451, 43.7231

Deuteranomaly

23.4479, 25.2519, 47.8942

Tritanomaly

19.8492, 26.0626, 42.0146

Monochromacy



Original Color

20.8319, 25.9778, 47.0963

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.2191, 22.1700, 30.4604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8319, 25.9778, 47.0963 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(57, 150, 180)` looks like.

```
.text, #text, p{  
    color:rgb(57, 150, 180)  
}
```

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(57, 150, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 150, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.8319, 25.9778, 47.0963 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(57, 150, 180) }
```


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

```
.border{ border-color:rgb(57, 150, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 150, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 150, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 150, 180);  
box-shadow:4px 4px 4px 4px rgb(57, 150,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8319, 25.9778, 47.0963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 150, 180) }
```

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

```
.background{ background-color: rgb(57, 150,  
180) }
```

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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