

Converting Colors

XYZ(20.3483, 19.8658, 37.8840)

Have a look what the booklet for
XYZ(20.3483, 19.8658, 37.8840)
contains.

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Color

**XYZ(20.3483, 19.8658,
37.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	7179A4
RGB	113, 121, 164
RGB Percent	44%, 47%, 64%
CMY	0.5569, 0.5255, 0.3569
CMYK	0.31, 0.26, 0.00, 0.36
HSL	231°, 22%, 54%
HSV	231°, 31%, 64%
XYZ	20.3483, 19.8658, 37.8840
YIQ	123.5100, -18.5710, 11.6770

Conversions

Conversions Part 2

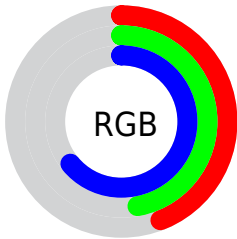
Format	Color
R_{YB}	113, 120, 164
Decimal	7436708
CIE _{Lab}	51.69, 7.37, -23.97
CIE _{LCh}	52, 25.076, 287.081
Yxy	19.8658, 0.2605, 0.2544
Android (android.graphics.Color)	4285626788 (0xFF7179A4)
YUV	123.5100, 19.9616, -9.2173
Hunter-Lab	44.5711, 3.4923, -19.1949

Details

The XYZ color **20.3483, 19.8658, 37.8840** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.1794, 32.8622, 20.3760**, and the grayscale version is **18.9362, 19.9224, 21.6955**.

A 20% lighter version of the original color is **43.4556, 43.1086, 73.0483**, and **7.3571, 6.9917, 16.2910** is the 20% darker color. If you saturate the color by 10%, you get **16.8644, 15.7519, 37.2739**, and if you desaturate by 10%, it is **24.4557, 24.6596, 38.5932**.

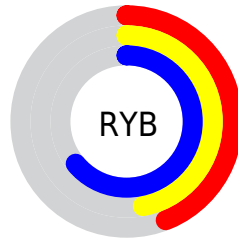
Distribution



Red (44%)

Green (47%)

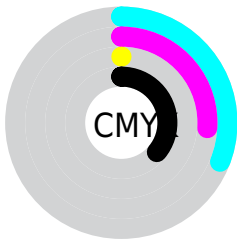
Blue (64%)



Red (44%)

Yellow (47%)

Blue (64%)

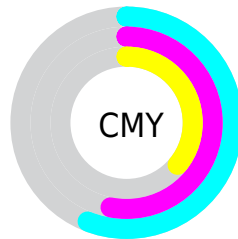


Cyan (31%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (56%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3483, 19.8658, 37.8840 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 20.3483, 19.8658, 37.8840 by changing the saturation by 10% instead.

■ 20.3483, 19.8658,
37.8840

■ 20.3483, 19.8658,
37.8840

246.5923,
251.1877, 352.4054

■ 12.7582, 12.2975,
25.5915

■ 43.4999, 43.1921,
73.1318

■ 7.3381, 6.9466,
16.2953

■ 59.7921, 59.7189,
96.9241

■ 3.7226, 3.4288,
9.5767

■ 79.7157, 80.0006,
125.3869

■ 1.5464, 1.3595,
5.0173

103.6360,
104.4217, 158.9386

■ 0.3571, 0.1866,
2.1985

131.9185,
133.3666, 197.9977

■ 0.0000, 0.0000,
0.6735

164.9285,

■ 0.0000, 0.0000,

167.2196, 242.9829

0.0000

203.0313,
206.3652, 294.3126

■ 20.3483, 19.8658,
37.8840

■ 20.3483, 19.8658,
37.8840

■ 16.8644, 15.7519,
37.2739

■ 24.4557, 24.6596,
38.5932

■ 13.9712, 12.2845,
36.7571

■ 29.2133, 30.1599,
39.4041

■ 11.6361, 9.4310,
36.3294

■ 34.6484, 36.3948,
40.3211

■ 9.8221, 7.1549,
35.9857

■ 40.7863, 43.3901,
41.3478

■ 8.4880, 5.4156,
35.7203

■ 47.6511, 51.1704,
42.4877

■ 7.5858, 4.1672,
35.5269

■ 55.2656, 59.7591,
43.7442

■ 7.0643, 3.4071,
35.4076

■ 63.6516, 69.1786,
45.1203

■ 72.8301, 79.4507,
46.6193

■ 80.7296, 89.5177,
48.1461

Harmonies

Analogous

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



17.8141, 19.8658, 38.2661



20.3483, 19.8658, 37.8840



22.6764, 19.8658, 32.5826

Triad

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



20.3483, 19.8658, 37.8840



22.3951, 19.8658, 12.9419



14.5229, 19.8658, 18.6605

Complementary

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



20.3483, 19.8658, 37.8840



30.1794, 32.8622, 20.3760

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.



15.5361, 19.8658, 13.4570



20.3483, 19.8658, 37.8840



19.9914, 19.8658, 10.6876

Square

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



20.3483, 19.8658, 37.8840



23.9286, 19.8658, 17.7880



17.4876, 19.8658, 10.8522



14.5998, 19.8658, 25.9900

Rectangle

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



20.3483, 19.8658, 37.8840



23.7305, 19.8658, 27.5275



17.4876, 19.8658, 10.8522



14.7432, 19.8658, 16.6422

Sweetspot

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



20.3490, 19.8666, 37.8845



54.8304, 56.8205, 71.8299



26.0446, 32.4455, 36.1214



11.7018, 12.0939, 15.6551



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3490, 19.8666, 37.8845



32.6388, 30.9969, 68.0151



21.8126, 19.2372, 37.6858



6.7860, 7.0311, 8.9025



5.4403, 2.6600, 27.1565



0.1384, 0.1040, 0.5786

Inverse Universe

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



24.6668, 21.0840, 20.8595



41.7426, 33.7576, 32.0754



28.2893, 33.9467, 20.6849



7.1170, 7.1032, 7.6024



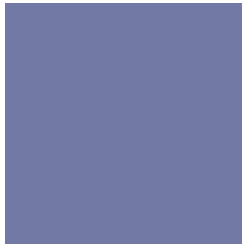
11.8915, 6.1127, 1.3533



0.2620, 0.1333, 0.0923

Previews

White Background



This preview shows how the XYZ color 20.3483, 19.8658, 37.8840 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 20.3483, 19.8658, 37.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

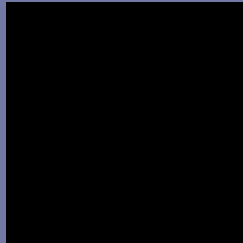
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3483, 19.8658, 37.8840

Background



This preview shows how black text looks on a background with the XYZ color 20.3483, 19.8658, 37.8840.



This preview shows how white text looks on a background with the XYZ color 20.3483, 19.8658,

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

20.3483, 19.8658, 37.8840

Protanopia

20.2159, 19.9789, 37.9128

Deuteranopia

20.2203, 19.7998, 37.8780



Tritanopia

17.9682, 19.8251, 26.1722

Trichromacy



Original Color

20.3483, 19.8658, 37.8840

Protanomaly

20.3425, 20.0441, 37.9187

Deuteranomaly

20.2203, 19.7998, 37.8780

Tritanomaly

18.7026, 19.7418, 30.0189

Monochromacy



Original Color

20.3483, 19.8658, 37.8840

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4889, 20.0231, 27.2638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3483, 19.8658, 37.8840 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, 121, 164)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 164)  
}
```

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, 121, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.3483, 19.8658, 37.8840 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, 121, 164) }
```


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

```
.border{ border-color:rgb(113, 121, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 121, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 121, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 121, 164);  
box-shadow:4px 4px 4px 4px rgb(113, 121,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3483, 19.8658, 37.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 164) }
```

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

```
.background{ background-color: rgb(113,  
121, 164) }
```

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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