

Converting Colors

XYZ(20.3228, 20.7602, 37.5867)

Have a look what the booklet for
XYZ(20.3228, 20.7602, 37.5867)
contains.

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Color

**XYZ(20.3784, 20.8173,
37.5944)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7EA3
RGB	109, 126, 163
RGB Percent	43%, 49%, 64%
CMY	0.5725, 0.5059, 0.3608
CMYK	0.33, 0.23, 0.00, 0.36
HSL	221°, 23%, 53%
HSV	221°, 33%, 64%
XYZ	20.3784, 20.8173, 37.5944
YIQ	125.1350, -22.0090, 7.9030

Conversions

Conversions Part 2

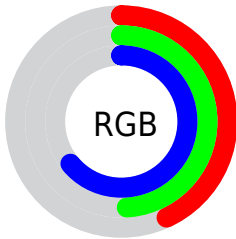
Format	Color
R_{YB}	109, 122, 163
Decimal	7175843
CIE _{Lab}	52.75, 2.93, -21.78
CIE _{LCh}	53, 21.972, 277.656
Yxy	20.8173, 0.2586, 0.2642
Android (android.graphics.Color)	4285365923 (0xFF6D7EA3)
YUV	125.1350, 18.6674, -14.1504
Hunter-Lab	45.6260, -0.1202, -16.9149

Details

The XYZ color **20.3784, 20.8173, 37.5944** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1438, 29.4487, 18.6695**, and the grayscale version is **19.4834, 20.4981, 22.3224**.

A 20% lighter version of the original color is **43.6753, 44.9835, 72.7104**, and **7.3268, 7.3853, 16.0783** is the 20% darker color. If you saturate the color by 10%, you get **17.2069, 17.1797, 37.0598**, and if you desaturate by 10%, it is **24.0826, 24.9671, 38.2005**.

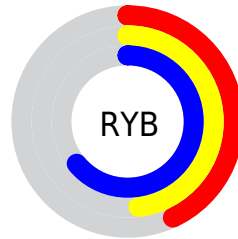
Distribution



Red (43%)

Green (49%)

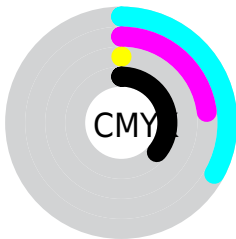
Blue (64%)



Red (43%)

Yellow (48%)

Blue (64%)

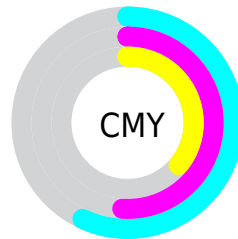


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (57%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3784, 20.8173, 37.5944 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 20.3784, 20.8173, 37.5944 by changing the saturation by 10% instead.

■ 20.3784, 20.8173,
37.5944

■ 20.3784, 20.8173,
37.5944

246.7510,
256.3059, 351.1227

■ 12.7803, 12.9905,
25.3687

■ 43.5498, 44.7833,
72.6825

■ 7.3534, 7.4220,
16.1304

■ 59.8538, 61.6913,
96.3820

■ 3.7323, 3.7274,
9.4611

■ 79.7904, 82.3951,
124.7432

■ 1.5519, 1.5223,
4.9423

■ 103.7251,
107.2792, 158.1845

■ 0.3607, 0.3043,
2.1553

132.0231,
136.7279, 197.1246

■ 0.0000, 0.0000,
0.6484

165.0499,

■ 0.0000, 0.0000,

171.1257, 241.9820

0.0000

203.1707,
210.8569, 293.1752

■ 20.3784, 20.8173,
37.5944

■ 20.3784, 20.8173,
37.5944

■ 17.2069, 17.1797,
37.0598

■ 24.0826, 24.9671,
38.2005

■ 14.5402, 14.0309,
36.5926

■ 28.3414, 29.6465,
38.8793

■ 12.3510, 11.3490,
36.1903

■ 33.1779, 34.8748,
39.6335

■ 10.6081, 9.1094,
35.8499

■ 38.6135, 40.6699,
40.4656

■ 9.2765, 7.2848,
35.5679

■ 44.6680, 47.0485,
41.3777

■ 8.3152, 5.8441,
35.3404

■ 51.3608, 54.0269,
42.3719

■ 7.8087, 5.0399,
35.2119

■ 58.7100, 61.6205,
43.4503

■ 66.7332, 69.8443,
44.6148

■ 75.1883, 78.5790,
45.8551

Harmonies

Analogous

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



18.1598, 20.8173, 36.4379



20.3784, 20.8173, 37.5944



22.5986, 20.8173, 34.1816

Triad

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



20.3784, 20.8173, 37.5944



23.4791, 20.8173, 15.8051



15.9882, 20.8173, 18.2044

Complementary

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



20.3784, 20.8173, 37.5944



28.1438, 29.4487, 18.6695

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.



17.2174, 20.8173, 14.0803



20.3784, 20.8173, 37.5944



21.5070, 20.8173, 12.8927

Square

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



20.3784, 20.8173, 37.5944



24.4766, 20.8173, 21.0283



19.2056, 20.8173, 12.3286



15.7369, 20.8173, 24.3876

Rectangle

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



20.3784, 20.8173, 37.5944



23.7424, 20.8173, 30.1009



19.2056, 20.8173, 12.3286



16.2959, 20.8173, 16.5696

Sweetspot

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



20.3791, 20.8181, 37.5949



53.1961, 55.7454, 70.0123



24.5849, 31.5183, 31.9417



11.6959, 12.2470, 15.6850



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.



20.3791, 20.8181, 37.5949



32.0873, 32.2407, 66.5880



19.6741, 17.4972, 36.9910



6.8740, 7.2070, 8.9319



6.1055, 3.9905, 27.3782



0.1690, 0.1652, 0.5888

Inverse Universe

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



24.3394, 20.2308, 22.3617



40.4417, 31.4425, 34.3539



29.0137, 34.0810, 19.5178



7.1614, 7.1210, 7.8362



12.2273, 6.2470, 3.1214



0.2774, 0.1395, 0.1737

Previews

White Background



This preview shows how the XYZ color 20.3784, 20.8173, 37.5944 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 20.3784, 20.8173, 37.5944 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

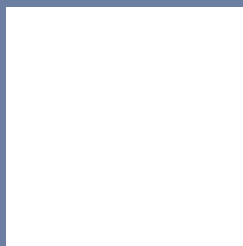
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3784, 20.8173, 37.5944

Background



This preview shows how black text looks on a background with the XYZ color 20.3784, 20.8173, 37.5944.



This preview shows how white text looks on a background with the XYZ color 20.3784, 20.8173,

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

20.3784, 20.8173, 37.5944

Protanopia

20.9317, 20.7369, 37.0818

Deuteranopia

21.3797, 20.9472, 38.0383



Tritanopia

18.4252, 20.8018, 27.8550

Trichromacy



Original Color

20.3784, 20.8173, 37.5944

Protanomaly

20.6653, 20.7866, 37.1055

Deuteranomaly

21.1047, 20.9924, 38.0616

Tritanomaly

19.1394, 20.9028, 31.0429

Monochromacy



Original Color

20.3784, 20.8173, 37.5944

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6016, 20.4532, 27.3409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3784, 20.8173, 37.5944 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(109, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 126, 163)  
}
```

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(109, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.3784, 20.8173, 37.5944 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(109, 126, 163) }
```


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

```
.border{ border-color:rgb(109, 126, 163) }
```

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

Here you see how a box with a 4 pixel rgb(109, 126, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3784, 20.8173, 37.5944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 126, 163) }
```

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

```
.background{ background-color: rgb(109,  
126, 163) }
```

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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