

Converting Colors

XYZ(20.1767, 20.0202, 37.5452)

Have a look what the booklet for
XYZ(20.1767, 20.0202, 37.5452)
contains.

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Color

**XYZ(20.1259, 19.9429,
37.4389)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7AA3
RGB	111, 122, 163
RGB Percent	44%, 48%, 64%
CMY	0.5647, 0.5216, 0.3608
CMYK	0.32, 0.25, 0.00, 0.36
HSL	227°, 22%, 54%
HSV	227°, 32%, 64%
XYZ	20.1259, 19.9429, 37.4389
YIQ	123.3850, -19.7170, 10.4190

Conversions

Conversions Part 2

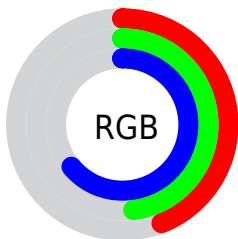
Format	Color
R_{YB}	111, 120, 163
Decimal	7305891
CIE Lab	51.77, 5.89, -23.27
CIE LCh	52, 24.001, 284.217
Yxy	19.9429, 0.2597, 0.2573
Android (android.graphics.Color)	4285495971 (0xFF6F7AA3)
YUV	123.3850, 19.5302, -10.8616
Hunter-Lab	44.6575, 2.2945, -18.4459

Details

The XYZ color **20.1259, 19.9429, 37.4389** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.2020, 31.3909, 19.5595**, and the grayscale version is **18.8965, 19.8806, 21.6500**.

A 20% lighter version of the original color is **43.1008, 43.2266, 72.4016**, and **7.2425, 7.0374, 16.0156** is the 20% darker color. If you saturate the color by 10%, you get **16.7841, 16.0308, 36.8603**, and if you desaturate by 10%, it is **24.0520, 24.4669, 38.1055**.

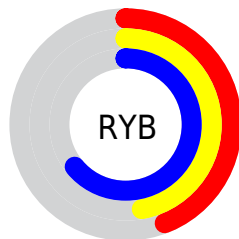
Distribution



Red (44%)

Green (48%)

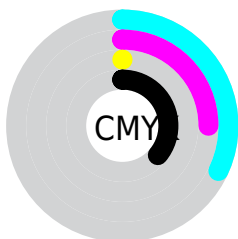
Blue (64%)



Red (44%)

Yellow (47%)

Blue (64%)

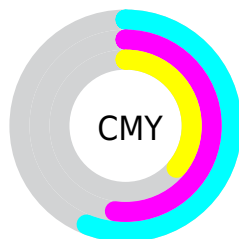


Cyan (32%)

Magenta (25%)

Yellow (0%)

Black (36%)



Cyan (56%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1259, 19.9429, 37.4389 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 20.1259, 19.9429, 37.4389 by changing the saturation by 10% instead.

■ 20.1259, 19.9429,
37.4389

■ 20.1259, 19.9429,
37.4389

245.4165,
251.6058, 350.4326

■ 12.5954, 12.3535,
25.2490

■ 43.1305, 43.3214,
72.4412

■ 7.2256, 6.9849,
16.0420

■ 59.3353, 59.8794,
96.0906

■ 3.6512, 3.4527,
9.3992

■ 79.1622, 80.1957,
124.3971

■ 1.5067, 1.3724,
4.9021

■ 102.9767,
104.6547, 157.7790

■ 0.3304, 0.1962,
2.1322

131.1439,
133.6408, 196.6550

■ 0.0000, 0.0000,
0.6348

164.0294,

■ 0.0000, 0.0000,

167.5385, 241.4436

0.0000

201.9985,
206.7320, 292.5632

■ 20.1259, 19.9429,
37.4389

■ 20.1259, 19.9429,
37.4389

■ 16.7841, 16.0308,
36.8603

■ 24.0520, 24.4669,
38.1055

■ 13.9960, 12.7015,
36.3646

■ 28.5870, 29.6256,
38.8622

■ 11.7315, 9.9270,
35.9484

■ 33.7563, 35.4433,
39.7127

■ 9.9563, 7.6758,
35.6075

■ 39.5834, 41.9425,
40.6601

■ 8.6321, 5.9133,
35.3370

■ 46.0906, 49.1446,
41.7072

■ 7.7141, 4.6000,
35.1319

■ 53.2990, 57.0698,
42.8570

■ 7.1968, 3.8162,
35.0079

■ 61.2289, 65.7378,
44.1122

■ 69.8998, 75.1674,
45.4753

■ 78.3290, 84.8605,
46.9020

Harmonies

Analogous

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



17.7126, 19.9429, 37.3030



20.1259, 19.9429, 37.4389



22.4036, 19.9429, 32.7851

Triad

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



20.1259, 19.9429, 37.4389



22.5046, 19.9429, 13.6560



14.8053, 19.9429, 18.2747

Complementary

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



20.1259, 19.9429, 37.4389



29.2020, 31.3909, 19.5595

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.



15.8800, 19.9429, 13.4672



20.1259, 19.9429, 37.4389



20.2545, 19.9429, 11.2158

Square

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



20.1259, 19.9429, 37.4389



23.8543, 19.9429, 18.5912



17.8307, 19.9429, 11.1550



14.7773, 19.9429, 25.1692

Rectangle

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



20.1259, 19.9429, 37.4389



23.4810, 19.9429, 28.0697



17.8307, 19.9429, 11.1550



15.0517, 19.9429, 16.3990

Sweetspot

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



20.1266, 19.9437, 37.4394



52.7028, 54.7589, 69.8479



25.2989, 31.8326, 34.4027



11.5723, 11.9997, 15.6438



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.



20.1266, 19.9437, 37.4394



31.8614, 30.8333, 66.3283



20.8607, 18.4292, 37.1083



6.8163, 7.0916, 8.9126



5.6213, 3.0221, 27.2168



0.1489, 0.1252, 0.5822

Inverse Universe

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



24.3021, 20.5611, 21.1010



40.5610, 32.3833, 32.2284



28.2279, 33.6633, 20.0494



7.1322, 7.1094, 7.6828



11.9829, 6.1492, 1.8344



0.2673, 0.1354, 0.1205

Previews

White Background



This preview shows how the XYZ color 20.1259, 19.9429, 37.4389 looks on a white background.

Color Contrast Check

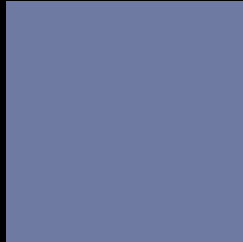
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1259, 19.9429, 37.4389 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 20.1259, 19.9429, 37.4389

Background



This preview shows how black text looks on a background with the XYZ color 20.1259, 19.9429, 37.4389.



This preview shows how white text looks on a background with the XYZ color 20.1259, 19.9429,

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

20.1259, 19.9429, 37.4389

Protanopia

20.2525, 20.0082, 37.4449

Deuteranopia

20.2583, 19.8298, 37.4101



Tritanopia

17.9304, 19.9881, 26.5800

Trichromacy



Original Color

20.1259, 19.9429, 37.4389

Protanomaly

20.2525, 20.0082, 37.4449

Deuteranomaly

20.1303, 19.7638, 37.4041

Tritanomaly

18.5853, 19.8684, 30.0496

Monochromacy



Original Color

20.1259, 19.9429, 37.4389

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2782, 19.9228, 26.8742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1259, 19.9429, 37.4389 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(111, 122, 163)` looks like.

```
.text, #text, p{  
    color:rgb(111, 122, 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(111, 122, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 122, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.1259, 19.9429, 37.4389 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(111, 122, 163) }
```


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

```
.border{ border-color:rgb(111, 122, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 122, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 122, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 122, 163);  
box-shadow:4px 4px 4px 4px rgb(111, 122,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1259, 19.9429, 37.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 122, 163) }
```

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

```
.background{ background-color: rgb(111,  
122, 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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