

Converting Colors

XYZ(20.2790, 18.6417, 37.1818)

Have a look what the booklet for
XYZ(20.2790, 18.6417, 37.1818)
contains.

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Color

**XYZ(20.2359, 18.6009,
37.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	7772A3
RGB	119, 114, 163
RGB Percent	47%, 45%, 64%
CMY	0.5333, 0.5529, 0.3608
CMYK	0.27, 0.30, 0.00, 0.36
HSL	246°, 21%, 54%
HSV	246°, 30%, 64%
XYZ	20.2359, 18.6009, 37.1741
YIQ	121.0810, -12.7490, 16.2990

Conversions

Conversions Part 2

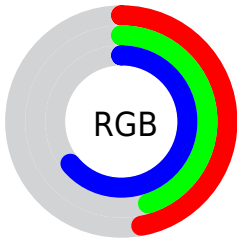
Format	Color
R _Y B	119, 114, 163
Decimal	7828131
CIE Lab	50.22, 13.14, -25.62
CIE LCh	50, 28.791, 297.159
Yxy	18.6009, 0.2662, 0.2447
Android (android.graphics.Color)	4286018211 (0xFF7772A3)
YUV	121.0810, 20.6661, -1.8250
Hunter-Lab	43.1288, 8.2764, -20.9139

Details

The XYZ color **20.2359, 18.6009, 37.1741** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.2355, 34.6788, 21.0204**, and the grayscale version is **18.1389, 19.0835, 20.7820**.

A 20% lighter version of the original color is **43.3044, 41.1050, 71.9813**, and **7.2717, 6.3093, 15.8735** is the 20% darker color. If you saturate the color by 10%, you get **16.7022, 14.2891, 36.5284**, and if you desaturate by 10%, it is **24.4079, 23.7290, 37.9443**.

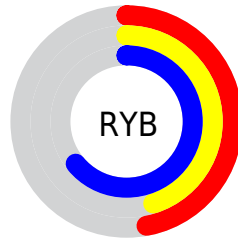
Distribution



Red (47%)

Green (45%)

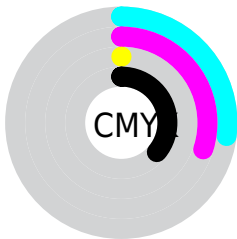
Blue (64%)



Red (47%)

Yellow (45%)

Blue (64%)

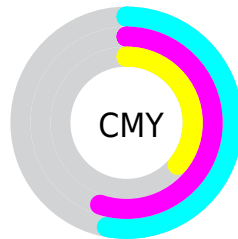


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2359, 18.6009, 37.1741 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 20.2359, 18.6009, 37.1741 by changing the saturation by 10% instead.

■ 20.2359, 18.6009,
37.1741

■ 20.2359, 18.6009,
37.1741

245.9986,
244.2366, 349.2550

■ 12.6759, 11.3823,
25.0455

■ 43.3133, 41.0586,
72.0298

■ 7.2812, 6.3246,
15.8916

■ 59.5613, 57.0665,
95.5939

■ 3.6865, 3.0434,
9.2940

■ 79.4361, 76.7729,
123.8070

■ 1.5263, 1.1544,
4.8340

■ 103.3030,
100.5622, 157.0875

■ 0.3436, 0.0240,
2.0932

131.5274,
128.8188, 195.8540

■ 0.0000, 0.0000,
0.6117

164.4745,

■ 0.0000, 0.0000,

161.9272, 240.5251

0.0000

202.5098,
200.2716, 291.5193

■ 20.2359, 18.6009,
37.1741

■ 20.2359, 18.6009,
37.1741

■ 16.7022, 14.2891,
36.5284

■ 24.4079, 23.7290,
37.9443

■ 13.7734, 10.7493,
35.9995

■ 29.2456, 29.7101,
38.8438

■ 11.4159, 7.9363,
35.5808

■ 34.7772, 36.5815,
39.8786

■ 9.5920, 5.7994,
35.2645

■ 41.0286, 44.3777,
41.0539

■ 8.2596, 4.2813,
35.0417

■ 48.0244, 53.1311,
42.3748

■ 7.3697, 3.3151,
34.9021

■ 55.7880, 62.8728,
43.8460

■ 6.8355, 2.7602,
34.8231

■ 64.3418, 73.6324,
45.4719

■ 73.7074, 85.4381,
47.2570

■ 82.0589, 94.6243,
48.5900

Harmonies

Analogous

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



17.4157, 18.6009, 39.7351



20.2359, 18.6009, 37.1741



22.5664, 18.6009, 29.7510

Triad

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



20.2359, 18.6009, 37.1741



20.7427, 18.6009, 9.9146



12.8563, 18.6009, 19.5032

Complementary

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



20.2359, 18.6009, 37.1741



30.2355, 34.6788, 21.0204

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.



13.5547, 18.6009, 13.0283



20.2359, 18.6009, 37.1741



17.9461, 18.6009, 8.4805

Square

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



20.2359, 18.6009, 37.1741



22.8799, 18.6009, 14.0333



15.3482, 18.6009, 9.4503



13.3338, 18.6009, 28.0833

Rectangle

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



20.2359, 18.6009, 37.1741



23.4258, 18.6009, 23.8531



15.3482, 18.6009, 9.4503



12.9594, 18.6009, 17.0351

Sweetspot

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



20.2365, 18.6016, 37.1745



53.2098, 54.2414, 69.7213



25.7947, 30.7101, 39.2187



11.6590, 11.8208, 15.6047



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.



20.2365, 18.6016, 37.1745



31.9349, 28.0515, 65.7875



24.0258, 20.5551, 37.3519



6.7644, 6.8929, 8.8770



5.3321, 2.1553, 27.0648



0.1308, 0.0549, 0.5696

Inverse Universe

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



27.2936, 22.2905, 35.2122



46.6625, 35.7542, 61.4905



25.9029, 32.4452, 20.8177



7.3330, 7.1897, 8.7402



15.8031, 7.6773, 21.9513



0.3404, 0.1647, 0.5052

Previews

White Background



This preview shows how the XYZ color 20.2359, 18.6009, 37.1741 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 20.2359, 18.6009, 37.1741 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 20.2359, 18.6009, 37.1741

Background



This preview shows how black text looks on a background with the XYZ color 20.2359, 18.6009, 37.1741.



This preview shows how white text looks on a background with the XYZ color 20.2359, 18.6009,

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

20.2359, 18.6009, 37.1741

Protanopia

19.1871, 18.7133, 38.6772

Deuteranopia

19.0634, 18.6913, 36.7854



Tritanopia

17.4278, 18.4894, 23.7694

Trichromacy



Original Color

20.2359, 18.6009, 37.1741

Protanomaly

19.5832, 18.7542, 38.1851

Deuteranomaly

19.4384, 18.7107, 36.7694

Tritanomaly

18.4311, 18.5547, 28.2012

Monochromacy



Original Color

20.2359, 18.6009, 37.1741

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6681, 18.7275, 25.9234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2359, 18.6009, 37.1741 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(119, 114, 163)` looks like.

```
.text, #text, p{  
    color:rgb(119, 114, 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(119, 114, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 114, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.2359, 18.6009, 37.1741 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(119, 114, 163) }
```


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

```
.border{ border-color:rgb(119, 114, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 114, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 114, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 114, 163);  
box-shadow:4px 4px 4px 4px rgb(119, 114,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2359, 18.6009, 37.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 114, 163) }
```

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

```
.background{ background-color: rgb(119,  
114, 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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