

Converting Colors

XYZ(19.2248, 19.0817, 37.7390)

Have a look what the booklet for
XYZ(19.2248, 19.0817, 37.7390)
contains.

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Color

**XYZ(19.2430, 19.1165,
37.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	6978A4
RGB	105, 120, 164
RGB Percent	41%, 47%, 64%
CMY	0.5882, 0.5294, 0.3569
CMYK	0.36, 0.27, 0.00, 0.36
HSL	225°, 24%, 53%
HSV	225°, 36%, 64%
XYZ	19.2430, 19.1165, 37.7976
YIQ	120.5310, -23.0640, 10.5040

Conversions

Conversions Part 2

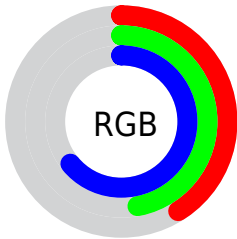
Format	Color
R _Y B	105, 117, 164
Decimal	6912164
CIE Lab	50.82, 5.56, -25.35
CIE LCh	51, 25.952, 282.379
Yxy	19.1165, 0.2527, 0.2510
Android (android.graphics.Color)	4285102244 (0xFF6978A4)
YUV	120.5310, 21.4302, -13.6207
Hunter-Lab	43.7224, 2.0467, -20.6499

Details

The XYZ color **19.2430, 19.1165, 37.7976** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.6076, 30.4079, 17.7269**, and the grayscale version is **17.9619, 18.8974, 20.5792**.

A 20% lighter version of the original color is **41.6393, 41.8886, 72.9085**, and **6.8175, 6.6168, 16.2471** is the 20% darker color. If you saturate the color by 10%, you get **16.1212, 15.4616, 37.2570**, and if you desaturate by 10%, it is **22.9255, 23.3402, 38.4191**.

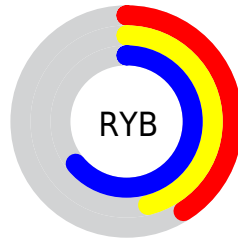
Distribution



Red (41%)

Green (47%)

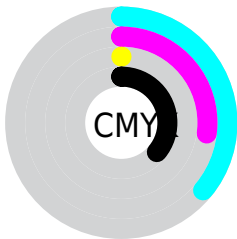
Blue (64%)



Red (41%)

Yellow (46%)

Blue (64%)

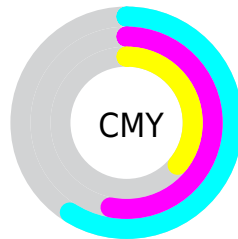


Cyan (36%)

Magenta (27%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2430, 19.1165, 37.7976 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 19.2430, 19.1165, 37.7976 by changing the saturation by 10% instead.

■ 19.2430, 19.1165,
37.7976

■ 19.2430, 19.1165,
37.7976

240.6994,
247.0912, 352.0230

■ 11.9510, 11.7545,
25.5250

■ 41.6580, 41.9309,
72.9978

■ 6.7823, 6.5767,
16.2461

■ 57.5118, 58.1520,
96.7625

■ 3.3714, 3.1988,
9.5422

■ 76.9502, 78.0950,
125.1950

■ 1.3531, 1.2364,
4.9949

■ 100.3386,
102.1442, 158.7138

■ 0.2224, 0.0911,
2.1856

128.0424,
130.6840, 197.7374

■ 0.0000, 0.0000,
0.6660

160.4269,

■ 0.0000, 0.0000,

164.0988, 242.6845

0.0000

197.8574,
202.7731, 293.9735

■ 19.2430, 19.1165,
37.7976

■ 19.2430, 19.1165,
37.7976

■ 16.1212, 15.4616,
37.2570

■ 22.9255, 23.3402,
38.4191

■ 13.5296, 12.3481,
36.7926

■ 27.1931, 28.1540,
39.1233

■ 11.4378, 9.7495,
36.4013

■ 32.0712, 33.5808,
39.9137

■ 9.8112, 7.6362,
36.0791

■ 37.5831, 39.6416,
40.7931

■ 8.6105, 5.9750,
35.8218

■ 43.7506, 46.3564,
41.7641

■ 7.7849, 4.7256,
35.6241

■ 50.5948, 53.7442,
42.8293

■ 7.5181, 4.3147,
35.5589

■ 58.1356, 61.8234,
43.9913

■ 66.3922, 70.6114,
45.2524

■ 75.3830, 80.1254,
46.6149

Harmonies

Analogous

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



16.7231, 19.1165, 37.3042



19.2430, 19.1165, 37.7976



21.6851, 19.1165, 33.0297

Triad

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



19.2430, 19.1165, 37.7976



22.0445, 19.1165, 12.7005



13.8792, 19.1165, 16.8404

Complementary

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



19.2430, 19.1165, 37.7976



28.6076, 30.4079, 17.7269

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.



15.0563, 19.1165, 12.0573



19.2430, 19.1165, 37.7976



19.6973, 19.1165, 10.0810

Square

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



19.2430, 19.1165, 37.7976



23.4013, 19.1165, 17.9425



17.1370, 19.1165, 9.8770



13.7823, 19.1165, 23.9779

Rectangle

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



19.2430, 19.1165, 37.7976



22.8779, 19.1165, 28.0404



17.1370, 19.1165, 9.8770



14.1562, 19.1165, 14.9508

Sweetspot

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



19.2436, 19.1172, 37.7980



53.4400, 55.6587, 71.6789



24.4681, 31.7012, 32.9576



11.4398, 11.8972, 15.6310



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.



19.2436, 19.1172, 37.7980



30.4061, 29.4169, 67.8278



19.3288, 16.6897, 37.3250



6.8400, 7.1391, 8.9205



5.7980, 3.3754, 27.2757



0.1572, 0.1417, 0.5849

Inverse Universe

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



23.7521, 19.3524, 20.2535



39.9114, 30.3285, 30.7454



28.4464, 34.0775, 18.4437



7.1442, 7.1141, 7.7459



12.0720, 6.1849, 2.3039



0.2715, 0.1371, 0.1425

Previews

White Background



This preview shows how the XYZ color 19.2430, 19.1165, 37.7976 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 19.2430, 19.1165, 37.7976 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

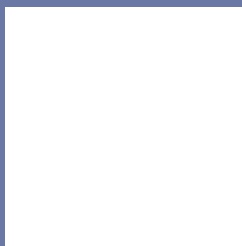
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2430, 19.1165, 37.7976

Background



This preview shows how black text looks on a background with the XYZ color 19.2430, 19.1165, 37.7976.



This preview shows how white text looks on a background with the XYZ color 19.2430, 19.1165,

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

19.2430, 19.1165, 37.7976

Protanopia

19.3920, 19.0261, 37.3007

Deuteranopia

19.4820, 19.0621, 37.7745



Tritanopia

16.7438, 19.0132, 25.7091

Trichromacy



Original Color

19.2430, 19.1165, 37.7976

Protanomaly

19.2711, 18.9638, 37.2950

Deuteranomaly

19.3611, 18.9998, 37.7688

Tritanomaly

17.6381, 19.0079, 29.9334

Monochromacy



Original Color

19.2430, 19.1165, 37.7976

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4230, 19.1257, 26.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2430, 19.1165, 37.7976 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(105, 120, 164)` looks like.

```
.text, #text, p{  
    color:rgb(105, 120, 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(105, 120, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 120, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.2430, 19.1165, 37.7976 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(105, 120, 164) }
```


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

```
.border{ border-color:rgb(105, 120, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 120, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 120, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 120, 164);  
box-shadow:4px 4px 4px 4px rgb(105, 120,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2430, 19.1165, 37.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 120, 164) }
```

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

```
.background{ background-color: rgb(105,  
120, 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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