

Converting Colors

XYZ(32.3672, 37.4289, 58.4393)

Have a look what the booklet for
XYZ(32.3672, 37.4289, 58.4393)
contains.

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Color

**XYZ(32.3018, 37.3878,
58.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	76ACC5
RGB	118, 172, 197
RGB Percent	46%, 67%, 77%
CMY	0.5372, 0.3255, 0.2274
CMYK	0.40, 0.13, 0.00, 0.23
HSL	199°, 41%, 62%
HSV	199°, 40%, 77%
XYZ	32.3018, 37.3878, 58.3374
YIQ	158.7040, -40.2090, -3.6730

Conversions

Conversions Part 2

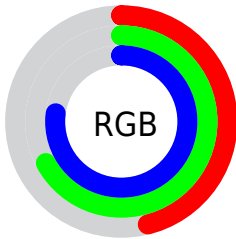
Format	Color
R _{YB}	118, 150, 197
Decimal	7777477
CIE _{Lab}	67.57, -11.28, -18.36
CIE _{LCh}	68, 21.546, 238.440
Yxy	37.3878, 0.2523, 0.2920
Android (android.graphics.Color)	4285967557 (0xFF76ACC5)
YUV	158.7040, 18.8799, -35.6974
Hunter-Lab	61.1456, -12.7073, -13.7652

Details

The XYZ color **32.3018, 37.3878, 58.3374** is a light color, and the websafe version is hex **669999**. A complement of this color would be **36.1192, 32.8241, 21.5727**, and the grayscale version is **32.7503, 34.4558, 37.5224**.

A 20% lighter version of the original color is **62.5921, 70.9782, 104.1671**, and **13.7887, 16.5061, 28.4459** is the 20% darker color. If you saturate the color by 10%, you get **28.7423, 33.8334, 57.8396**, and if you desaturate by 10%, it is **36.4780, 41.3445, 58.8817**.

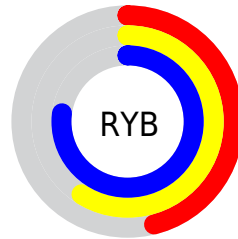
Distribution



Red (46%)

Green (67%)

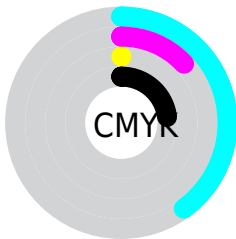
Blue (77%)



Red (46%)

Yellow (59%)

Blue (77%)

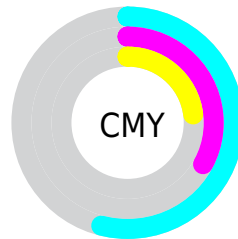


Cyan (40%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3018, 37.3878, 58.3374 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 32.3018, 37.3878, 58.3374 by changing the saturation by 10% instead.

■ 32.3018, 37.3878,
58.3374

■ 32.3018, 37.3878,
58.3374

304.2127,
334.9864, 436.0753

■ 21.7488, 25.5079,
41.6635

■ 62.6459, 71.1688,
103.9337

■ 13.7880, 16.4559,
28.5143

■ 83.1677, 93.8387,
133.6931

■ 8.0541, 9.8473,
18.4713

■ 107.7432,
120.8741, 168.6514

■ 4.1817, 5.2978,
11.1159

136.7377,
152.6593, 209.2271

■ 1.8054, 2.4230,
6.0297

170.5165,
189.5787, 255.8388

■ 0.5209, 0.8377,
2.7941

209.4450,

■ 0.0000, 0.0000,

232.0168, 308.9051

0.9905

253.8886,
280.3579, 368.8444

■ 0.0000, 0.0000,
0.0000

■ 32.3018, 37.3878,
58.3374

■ 32.3018, 37.3878,
58.3374

■ 28.7423, 33.8334,
57.8396

■ 36.4780, 41.3445,
58.8817

■ 25.7601, 30.6573,
57.3837

■ 41.3002, 45.7170,
59.4715

■ 23.3167, 27.8393,
56.9686

■ 46.7998, 50.5236,
60.1094

■ 21.3667, 25.3549,
56.5918

■ 53.0052, 55.7799,
60.7969

■ 19.8569, 23.1754,
56.2507

■ 59.9431, 61.5006,
61.5354

■ 18.6950, 21.2649,
55.9432

■ 67.6385, 67.6999,
62.3264

■ 75.7821, 74.2191,
63.1555

■ 77.4062, 77.4672,
63.6969

■ 79.0915, 80.8378,
64.2587

Harmonies

Analogous

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



30.2185, 37.3878, 50.0403



32.3018, 37.3878, 58.3374



35.3626, 37.3878, 61.8297

Triad

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



32.3018, 37.3878, 58.3374



42.2991, 37.3878, 41.2083



32.5848, 37.3878, 26.6693

Complementary

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



32.3018, 37.3878, 58.3374



36.1192, 32.8241, 21.5727

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.



35.7099, 37.3878, 25.0461



32.3018, 37.3878, 58.3374



41.4433, 37.3878, 32.6164

Square

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



32.3018, 37.3878, 58.3374



41.2512, 37.3878, 51.0352



38.9791, 37.3878, 27.0462



30.3746, 37.3878, 31.8790

Rectangle

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



32.3018, 37.3878, 58.3374



37.5914, 37.3878, 60.6079



38.9791, 37.3878, 27.0462



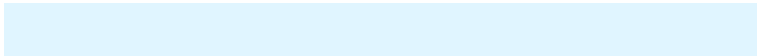
33.5569, 37.3878, 25.7255

Sweetspot

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



32.3030, 37.3892, 58.3383



81.6629, 88.6280, 107.4106



32.2984, 45.7289, 32.5987



17.1917, 18.7206, 22.9573



0.0000, 0.0000, 0.0000



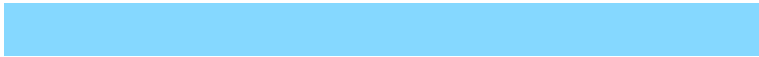
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3030, 37.3892, 58.3383



52.2843, 61.4229, 103.7079



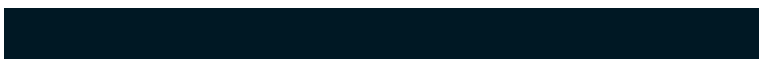
26.0478, 24.8789, 56.2532



10.6527, 11.4795, 13.5718



12.3742, 14.1422, 36.8219



0.6489, 0.7956, 1.7645

Inverse Universe

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



36.9518, 27.8069, 42.4509



62.0021, 42.8974, 70.1593



42.8614, 46.3084, 23.8201



10.9347, 10.7573, 12.6396



18.0452, 8.9677, 15.9799



0.8862, 0.4373, 0.9240

Previews

White Background



This preview shows how the XYZ color 32.3018, 37.3878, 58.3374 looks on a white background.

Color Contrast Check

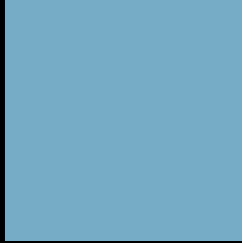
Large Text (above 18pt) WCAG AA × Fail

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 32.3018, 37.3878, 58.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

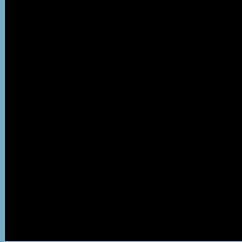
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3018, 37.3878, 58.3374

Background



This preview shows how black text looks on a background with the XYZ color 32.3018, 37.3878, 58.3374.



This preview shows how white text looks on a background with the XYZ color 32.3018, 37.3878,

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

32.3018, 37.3878, 58.3374

Protanopia

36.7992, 37.3269, 54.5555

Deuteranopia

37.7799, 36.9465, 59.1730



Tritanopia

31.2834, 37.5478, 53.1756

Trichromacy



Original Color

32.3018, 37.3878, 58.3374

Protanomaly

34.7635, 37.0520, 55.7716

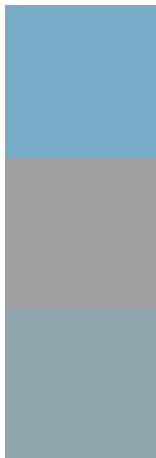
Deuteranomaly

35.3226, 36.7391, 58.6557

Tritanomaly

31.5500, 37.3617, 54.8389

Monochromacy



Original Color

32.3018, 37.3878, 58.3374

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3199, 35.4973, 44.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3018, 37.3878, 58.3374 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(118, 172, 197)` looks like.

```
.text, #text, p{  
    color:rgb(118, 172, 197)  
}
```

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(118, 172, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 172, 197) }
```

Border

The CSS property to change the border of an element to XYZ 32.3018, 37.3878, 58.3374 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(118, 172, 197) }
```


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

```
.border{ border-color:rgb(118, 172, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 172, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 172, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 172, 197);  
box-shadow:4px 4px 4px 4px rgb(118, 172,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3018, 37.3878, 58.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 172, 197) }
```

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

```
.background{ background-color: rgb(118,  
172, 197) }
```

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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