

Converting Colors

XYZ(30.9374, 37.5820, 59.8356)

Have a look what the booklet for
XYZ(30.9374, 37.5820, 59.8356)
contains.

XYZ(30.8943, 37.4928, 59.6414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8943, 37.4928,
59.6414)**

Conversions

Conversions Part 1

Format	Color
Hex	64AFC7
RGB	100, 175, 199
RGB Percent	39%, 69%, 78%
CMY	0.6078, 0.3137, 0.2196
CMYK	0.50, 0.12, 0.00, 0.22
HSL	195°, 47%, 59%
HSV	195°, 50%, 78%
XYZ	30.8943, 37.4928, 59.6414
YIQ	155.3110, -52.4040, -8.4360

Conversions

Conversions Part 2

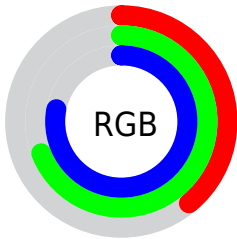
Format	Color
RYB	100, 143, 199
Decimal	6598599
CIELab	67.65, -16.76, -19.43
CIELCh	68, 25.654, 229.218
Yxy	37.4928, 0.2413, 0.2928
Android (android.graphics.Color)	4284788679 (0xFF64AFC7)
YUV	155.3110, 21.5387, -48.5077
Hunter-Lab	61.2314, -17.0927, -14.8885

Details

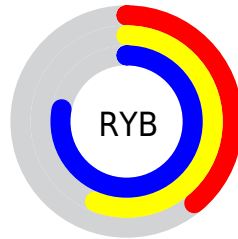
The XYZ color **30.8943, 37.4928, 59.6414** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0619, 27.4784, 15.6190**, and the grayscale version is **31.2187, 32.8445, 35.7676**.

A 20% lighter version of the original color is **60.3362, 71.4397, 105.2169**, and **12.9454, 16.4145, 29.2741** is the 20% darker color. If you saturate the color by 10%, you get **28.0343, 34.6501, 59.2441**, and if you desaturate by 10%, it is **34.3278, 40.6825, 60.0768**.

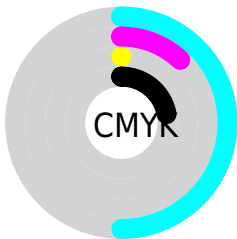
Distribution



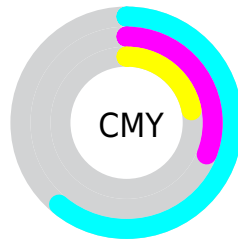
- Red (39%)
- Green (69%)
- Blue (78%)



- Red (39%)
- Yellow (56%)
- Blue (78%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8943, 37.4928, 59.6414 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 30.8943, 37.4928, 59.6414 by changing the saturation by 10% instead.

■ 30.8943, 37.4928,
59.6414

■ 30.8943, 37.4928,
59.6414

■ 297.8866,
335.4392, 441.0426

■ 20.6698, 25.5893,
42.7063

■ 60.4506, 71.3301,
105.8476

■ 12.9939, 16.5166,
29.3250

■ 80.5131, 94.0326,
135.9557

■ 7.5013, 9.8905,
19.0791

■ 104.5857,
121.1036, 171.2918

■ 3.8267, 5.3264,
11.5501

■ 133.0336,
152.9274, 212.2746

■ 1.6045, 2.4400,
6.3193

■ 166.2224,
189.8885, 259.3225

■ 0.3954, 0.8464,
2.9683

■ 204.5172,

■ 0.0000, 0.0000,

232.3712, 312.8542

1.0785

248.2835,
280.7600, 373.2880

■ 0.0000, 0.0000,
0.0000

■ 30.8943, 37.4928,
59.6414

■ 30.8943, 37.4928,
59.6414

■ 28.0343, 34.6501,
59.2441

■ 34.3278, 40.6825,
60.0768

■ 25.7040, 32.1290,
58.8803

■ 38.3673, 44.2342,
60.5494

■ 23.8589, 29.9068,
58.5486

■ 43.0471, 48.1667,
61.0618

■ 22.4450, 27.9551,
58.2465

■ 48.3979, 52.4964,
61.6155

■ 21.3630, 26.2222,
57.9690

■ 54.4481, 57.2385,
62.2120

■ 21.3370, 26.1797,
57.9622

■ 61.2247, 62.4073,
62.8525

■ 68.7531, 68.0163,
63.5383

■ 75.4933, 73.2722,
64.1976

■ 76.7293, 75.7443,
64.6096

Harmonies

Analogous

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



28.9244, 37.4928, 48.4224



30.8943, 37.4928, 59.6414



34.2315, 37.4928, 66.1825

Triad

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



30.8943, 37.4928, 59.6414



43.6431, 37.4928, 45.0361



33.1900, 37.4928, 23.5134

Complementary

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



30.8943, 37.4928, 59.6414



33.0619, 27.4784, 15.6190

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.



37.0779, 37.4928, 22.9439



30.8943, 37.4928, 59.6414



43.3124, 37.4928, 34.0639

Square

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



30.8943, 37.4928, 59.6414



41.7117, 37.4928, 56.7712



40.8391, 37.4928, 26.4492



30.1805, 37.4928, 28.1823

Rectangle

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



30.8943, 37.4928, 59.6414



36.8683, 37.4928, 66.3251



40.8391, 37.4928, 26.4492



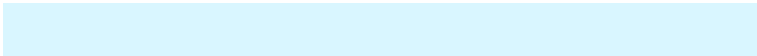
34.4311, 37.4928, 22.8736

Sweetspot

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



30.8955, 37.4942, 59.6423



79.4640, 87.6794, 107.3434



29.2613, 44.9896, 25.9145



16.5882, 18.4250, 22.9320



0.0000, 0.0000, 0.0000



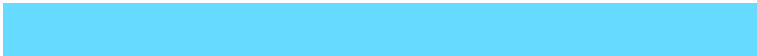
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8955, 37.4942, 59.6423



48.5777, 60.1412, 103.6558



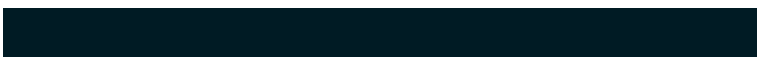
23.0775, 21.8583, 57.0363



10.7205, 11.6150, 13.5944



13.7912, 16.9762, 37.2942



0.7069, 0.9115, 1.7838

Inverse Universe

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



35.8492, 24.3527, 43.3700



58.6346, 35.8200, 70.0919



40.7213, 42.7972, 18.1721



10.9689, 10.7710, 12.8197



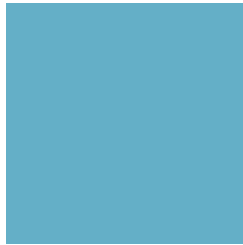
18.7605, 9.2538, 19.7463



0.9155, 0.4490, 1.0781

Previews

White Background



This preview shows how the XYZ color 30.8943, 37.4928, 59.6414 looks on a white background.

Color Contrast Check

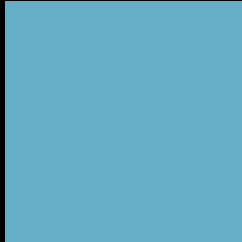
Large Text (above 18pt) WCAG AA × Fail

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 30.8943, 37.4928, 59.6414 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

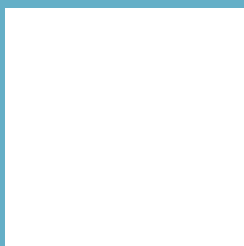
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8943, 37.4928, 59.6414

Background



This preview shows how black text looks on a background with the XYZ color 30.8943, 37.4928, 59.6414.



This preview shows how white text looks on a background with the XYZ color 30.8943, 37.4928,

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

30.8943, 37.4928, 59.6414

Protanopia

36.7992, 37.3269, 54.5555

Deuteranopia

38.1035, 37.3311, 61.0745



Tritanopia

29.8591, 37.3536, 54.9264

Trichromacy



Original Color

30.8943, 37.4928, 59.6414

Protanomaly

34.0376, 36.9357, 56.3743

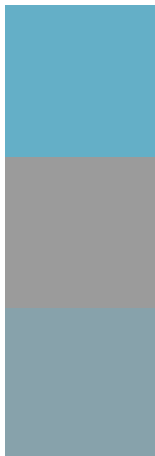
Deuteranomaly

34.8263, 36.9784, 60.5604

Tritanomaly

30.2999, 37.5424, 56.6884

Monochromacy



Original Color

30.8943, 37.4928, 59.6414

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.2627, 33.9318, 43.4826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8943, 37.4928, 59.6414 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(100, 175, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 175, 199)  
}
```

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(100, 175, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 175, 199) }
```

Border

The CSS property to change the border of an element to XYZ 30.8943, 37.4928, 59.6414 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(100, 175, 199) }
```


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

```
.border{ border-color:rgb(100, 175, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 175, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 175, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 175, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 175,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8943, 37.4928, 59.6414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 175, 199) }
```

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

```
.background{ background-color: rgb(100,  
175, 199) }
```

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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