

Converting Colors

XYZ(32.4409, 36.9750, 59.5314)

Have a look what the booklet for
XYZ(32.4409, 36.9750, 59.5314)
contains.

XYZ(32.2913, 36.7949, 59.4330)	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(32.2913, 36.7949,
59.4330)**

Conversions

Conversions Part 1

Format	Color
Hex	77AAC7
RGB	119, 170, 199
RGB Percent	47%, 67%, 78%
CMY	0.5333, 0.3333, 0.2196
CMYK	0.40, 0.15, 0.00, 0.22
HSL	202°, 42%, 62%
HSV	202°, 40%, 78%
XYZ	32.2913, 36.7949, 59.4330
YIQ	158.0570, -39.7050, -1.7930

Conversions

Conversions Part 2

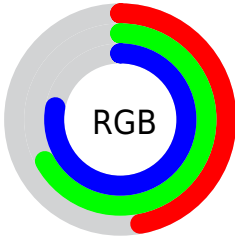
Format	Color
R _{YB}	119, 150, 199
Decimal	7842503
CIE _{Lab}	67.12, -9.40, -20.14
CIE _{LCh}	67, 22.221, 244.973
Y _{xy}	36.7949, 0.2513, 0.2863
Android (android.graphics.Color)	4286032583 (0xFF77AAC7)
YUV	158.0570, 20.1849, -34.2530
Hunter-Lab	60.6588, -11.1296, -15.6307

Details

The XYZ color **32.2913, 36.7949, 59.4330** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.4737, 34.6547, 22.1679**, and the grayscale version is **32.4505, 34.1404, 37.1789**.

A 20% lighter version of the original color is **62.4308, 70.0691, 104.8420**, and **13.7692, 16.1250, 29.1748** is the 20% darker color. If you saturate the color by 10%, you get **28.5257, 32.9017, 58.8807**, and if you desaturate by 10%, it is **36.7053, 41.1341, 60.0386**.

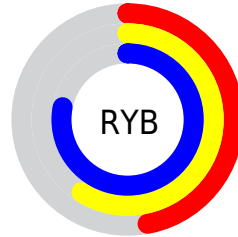
Distribution



Red (47%)

Green (67%)

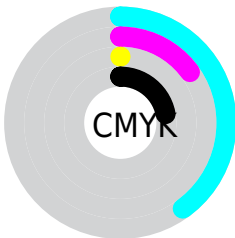
Blue (78%)



Red (47%)

Yellow (59%)

Blue (78%)

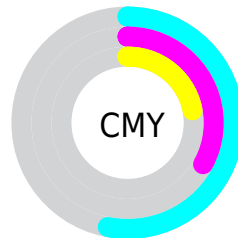


Cyan (40%)

Magenta (15%)

Yellow (0%)

Black (22%)



Cyan (53%)

Magenta (33%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2913, 36.7949, 59.4330 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 32.2913, 36.7949, 59.4330 by changing the saturation by 10% instead.

■ 32.2913, 36.7949,
59.4330

■ 32.2913, 36.7949,
59.4330

304.1658,
332.4217, 440.2511

■ 21.7407, 25.0487,
42.5395

■ 62.6296, 70.2572,
105.5420

■ 13.7820, 16.1134,
29.1952

■ 83.1480, 92.7422,
135.5946

■ 8.0499, 9.6044,
18.9817

■ 107.7198,
119.5755, 170.8706

■ 4.1790, 5.1375,
11.4804

136.7102,
151.1416, 211.7886

■ 1.8039, 2.3281,
6.2727

170.4847,
187.8249, 258.7671

■ 0.5200, 0.7885,
2.9401

209.4085,

■ 0.0000, 0.0000,

230.0097, 312.2247

1.0642

253.8471,
278.0805, 372.5798

■ 0.0000, 0.0000,
0.0000

■ 32.2913, 36.7949,
59.4330

■ 32.2913, 36.7949,
59.4330

■ 28.5257, 32.9017,
58.8807

■ 36.7053, 41.1341,
60.0386

■ 25.3677, 29.4294,
58.3769

■ 41.7981, 45.9344,
60.6967

■ 22.7774, 26.3563,
57.9202

■ 47.6025, 51.2150,
61.4100

■ 20.7078, 23.6564,
57.5082

■ 54.1478, 56.9928,
62.1803

■ 19.1035, 21.2994,
57.1378

■ 61.4618, 63.2836,
63.0090

■ 17.8809, 19.2675,
56.8100

■ 69.5706, 70.1025,
63.8978

■ 77.2730, 76.8317,
64.7907

■ 79.2130, 80.7118,
65.4374

■ 81.2358, 84.7573,
66.1117

Harmonies

Analogous

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



29.9068, 36.7949, 51.7228



32.2913, 36.7949, 59.4330



35.5396, 36.7949, 61.6445

Triad

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



32.2913, 36.7949, 59.4330



41.8638, 36.7949, 38.4694



31.3736, 36.7949, 26.6509

Complementary

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



32.2913, 36.7949, 59.4330



37.4737, 34.6547, 22.1679

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.



34.4114, 36.7949, 24.2179



32.2913, 36.7949, 59.4330



40.5800, 36.7949, 30.3027

Square

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



32.2913, 36.7949, 59.4330



41.2061, 36.7949, 48.4755



37.7980, 36.7949, 25.4386



29.4015, 36.7949, 32.6856

Rectangle

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



32.2913, 36.7949, 59.4330



37.7923, 36.7949, 59.4425



37.7980, 36.7949, 25.4386



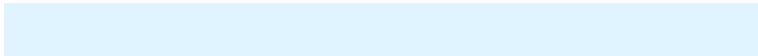
32.2965, 36.7949, 25.4332

Sweetspot

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



32.2925, 36.7963, 59.4339



81.2376, 87.7772, 107.2688



33.2986, 46.8762, 34.8979



17.0914, 18.5199, 22.9238



0.0000, 0.0000, 0.0000



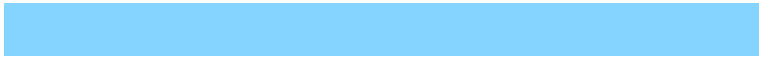
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2925, 36.7963, 59.4339



50.8626, 58.5796, 103.2340



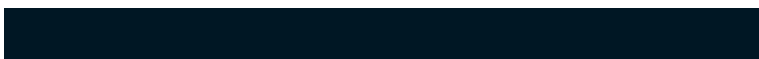
26.0340, 24.2793, 57.3477



10.6109, 11.3959, 13.5579



11.5833, 12.5606, 36.5583



0.6155, 0.7288, 1.7534

Inverse Universe

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



37.4067, 28.2392, 41.5108



61.2846, 42.6104, 66.3805



44.6541, 49.0155, 24.5614



10.9136, 10.7488, 12.5285



17.6461, 8.8080, 13.8779



0.8694, 0.4306, 0.8353

Previews

White Background



This preview shows how the XYZ color 32.2913, 36.7949, 59.4330 looks on a white background.

Color Contrast Check

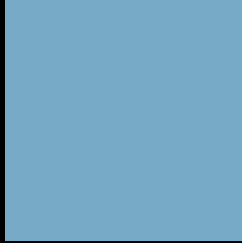
Large Text (above 18pt) WCAG AA × Fail

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 32.2913, 36.7949, 59.4330 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 32.2913, 36.7949, 59.4330

Background



This preview shows how black text looks on a background with the XYZ color 32.2913, 36.7949, 59.4330.



This preview shows how white text looks on a background with the XYZ color 32.2913, 36.7949,

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

32.2913, 36.7949, 59.4330

Protanopia

36.0808, 36.4079, 55.5778

Deuteranopia

37.2388, 36.3842, 60.3185



Tritanopia

30.8179, 36.7632, 51.9261

Trichromacy



Original Color

32.2913, 36.7949, 59.4330

Protanomaly

34.4535, 36.3307, 56.8264

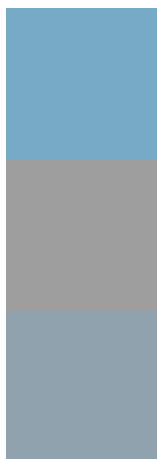
Deuteranomaly

35.0241, 36.2938, 59.8030

Tritanomaly

31.3030, 36.6693, 54.7183

Monochromacy



Original Color

32.2913, 36.7949, 59.4330

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9648, 34.7871, 44.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2913, 36.7949, 59.4330 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, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 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(119, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 199) }
```

Border

The CSS property to change the border of an element to XYZ 32.2913, 36.7949, 59.4330 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, 170, 199) }
```


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

```
.border{ border-color:rgb(119, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2913, 36.7949, 59.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 199) }
```

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

```
.background{ background-color: rgb(119,  
170, 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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