

Converting Colors

XYZ(32.1236, 36.8101, 59.3842)

Have a look what the booklet for
XYZ(32.1236, 36.8101, 59.3842)
contains.

XYZ(32.0196, 36.6549, 59.4203)	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(32.0196, 36.6549,
59.4203)**

Conversions

Conversions Part 1

Format	Color
Hex	75AAC7
RGB	117, 170, 199
RGB Percent	46%, 67%, 78%
CMY	0.5412, 0.3333, 0.2196
CMYK	0.41, 0.15, 0.00, 0.22
HSL	201°, 42%, 62%
HSV	201°, 41%, 78%
XYZ	32.0196, 36.6549, 59.4203
YIQ	157.4590, -40.8970, -2.2170

Conversions

Conversions Part 2

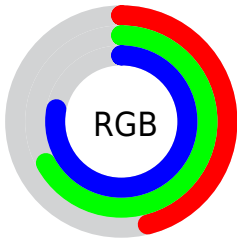
Format	Color
R _Y B	117, 149, 199
Decimal	7711431
CIE Lab	67.02, -9.93, -20.31
CIE LCh	67, 22.602, 243.947
Yxy	36.6549, 0.2500, 0.2862
Android (android.graphics.Color)	4285901511 (0xFF75AAC7)
YUV	157.4590, 20.4797, -35.4825
Hunter-Lab	60.5433, -11.5473, -15.8100

Details

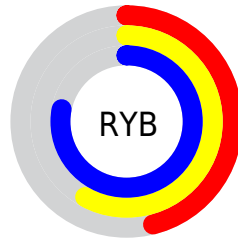
The XYZ color **32.0196, 36.6549, 59.4203** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.0436, 33.9848, 21.4379**, and the grayscale version is **32.1793, 33.8551, 36.8682**.

A 20% lighter version of the original color is **61.9885, 69.8411, 104.8213**, and **13.6392, 16.0580, 29.1687** is the 20% darker color. If you saturate the color by 10%, you get **28.3408, 32.8528, 58.8810**, and if you desaturate by 10%, it is **36.3398, 40.8941, 60.0115**.

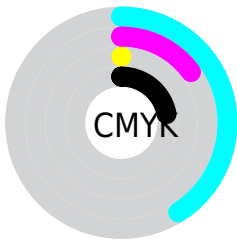
Distribution



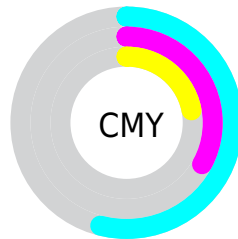
- Red (46%)
- Green (67%)
- Blue (78%)



- Red (46%)
- Yellow (58%)
- Blue (78%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (54%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0196, 36.6549, 59.4203 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 32.0196, 36.6549, 59.4203 by changing the saturation by 10% instead.

■ 32.0196, 36.6549,
59.4203

■ 32.0196, 36.6549,
59.4203

302.9522,
331.8140, 440.2029

■ 21.5321, 24.9404,
42.5293

■ 62.2068, 70.0417,
105.5234

■ 13.6282, 16.0327,
29.1873

■ 82.6372, 92.4828,
135.5726

■ 7.9425, 9.5473,
18.9758

■ 107.1126,
119.2682, 170.8449

■ 4.1097, 5.0998,
11.4761

135.9984,
150.7824, 211.7590

■ 1.7644, 2.3060,
6.2699

169.6599,
187.4096, 258.7333

■ 0.4961, 0.7769,
2.9384

208.4624,

■ 0.0000, 0.0000,

229.5344, 312.1863

1.0633

252.7714,
277.5410, 372.5367

■ 0.0000, 0.0000,
0.0000

■ 32.0196, 36.6549,
59.4203

■ 32.0196, 36.6549,
59.4203

■ 28.3408, 32.8528,
58.8810

■ 36.3398, 40.8941,
60.0115

■ 25.2623, 29.4626,
58.3888

■ 41.3319, 45.5853,
60.6539

■ 22.7437, 26.4626,
57.9425

■ 47.0289, 50.7480,
61.3501

■ 20.7376, 23.8267,
57.5395

■ 53.4603, 56.3986,
62.1018

■ 19.1874, 21.5239,
57.1767

■ 60.6538, 62.5532,
62.9106

■ 18.1100, 19.7257,
56.8864

■ 68.6358, 69.2268,
63.7781

■ 76.9498, 76.1854,
64.6830

■ 78.8278, 79.9413,
65.3090

■ 80.7844, 83.8545,
65.9612

Harmonies

Analogous

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



29.6448, 36.6549, 51.4275



32.0196, 36.6549, 59.4203



35.2958, 36.6549, 61.9004

Triad

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



32.0196, 36.6549, 59.4203



41.8492, 36.6549, 38.6236



31.2813, 36.6549, 26.1915

Complementary

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



32.0196, 36.6549, 59.4203



37.0436, 33.9848, 21.4379

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.



34.3869, 36.6549, 23.8643



32.0196, 36.6549, 59.4203



40.6078, 36.6549, 30.2565

Square

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



32.0196, 36.6549, 59.4203



41.1132, 36.6549, 48.8040



37.8200, 36.6549, 25.2209



29.2386, 36.6549, 32.1697

Rectangle

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



32.0196, 36.6549, 59.4203



37.5883, 36.6549, 59.8040



37.8200, 36.6549, 25.2209



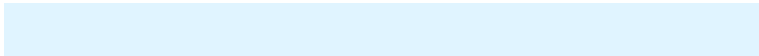
32.2279, 36.6549, 25.0053

Sweetspot

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



32.0208, 36.6563, 59.4212



81.3190, 87.9402, 107.2959



32.9254, 46.6955, 34.3507



17.1106, 18.5583, 22.9302



0.0000, 0.0000, 0.0000



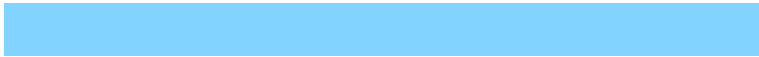
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0208, 36.6563, 59.4212



50.5113, 58.4652, 103.2304



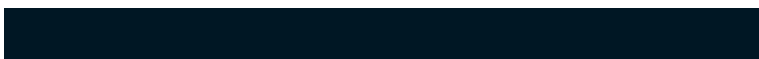
25.5357, 23.6861, 57.2595



10.6189, 11.4119, 13.5605



11.7300, 12.8539, 36.6072



0.6218, 0.7413, 1.7555

Inverse Universe

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



37.1711, 27.7679, 41.4324



60.9636, 41.9323, 66.3854



44.4716, 48.8407, 23.9139



10.9177, 10.7505, 12.5498



17.7201, 8.8376, 14.2677



0.8725, 0.4319, 0.8519

Previews

White Background



This preview shows how the XYZ color 32.0196, 36.6549, 59.4203 looks on a white background.

Color Contrast Check

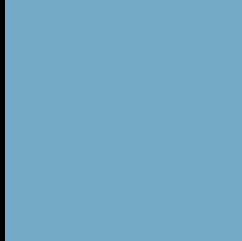
Large Text (above 18pt) WCAG AA × Fail

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 32.0196, 36.6549, 59.4203 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 32.0196, 36.6549, 59.4203

Background



This preview shows how black text looks on a background with the XYZ color 32.0196, 36.6549, 59.4203.



This preview shows how white text looks on a background with the XYZ color 32.0196, 36.6549,

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

32.0196, 36.6549, 59.4203

Protanopia

36.0808, 36.4079, 55.5778

Deuteranopia

37.0413, 36.2824, 60.3093



Tritanopia

30.4255, 36.5609, 51.9077

Trichromacy



Original Color

32.0196, 36.6549, 59.4203

Protanomaly

34.2811, 36.2418, 56.8183

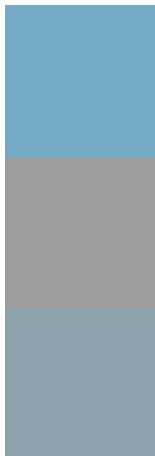
Deuteranomaly

34.8502, 36.2042, 59.7949

Tritanomaly

30.9063, 36.4648, 54.6997

Monochromacy



Original Color

32.0196, 36.6549, 59.4203

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5221, 34.5700, 44.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0196, 36.6549, 59.4203 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(117, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 170, 199) }
```

Border

The CSS property to change the border of an element to XYZ 32.0196, 36.6549, 59.4203 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(117, 170, 199) }
```


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

```
.border{ border-color:rgb(117, 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(117, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(117, 170,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0196, 36.6549, 59.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 170, 199) }
```

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

```
.background{ background-color: rgb(117,  
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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