

Converting Colors

XYZ(33.4523, 36.6990, 59.7123)

Have a look what the booklet for
XYZ(33.4523, 36.6990, 59.7123)
contains.

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Color

**XYZ(33.6339, 36.9212,
59.9974)**

Conversions

Conversions Part 1

Format	Color
Hex	82A8C8
RGB	130, 168, 200
RGB Percent	51%, 66%, 78%
CMY	0.4902, 0.3412, 0.2157
CMYK	0.35, 0.16, 0.00, 0.22
HSL	207°, 39%, 65%
HSV	207°, 35%, 78%
XYZ	33.6339, 36.9212, 59.9974
YIQ	160.2860, -32.9200, 1.8960

Conversions

Conversions Part 2

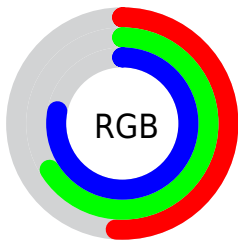
Format	Color
R_{YB}	130, 155, 200
Decimal	8562888
CIE _{Lab}	67.22, -5.04, -20.49
CIE _{LCh}	67, 21.098, 256.179
Yxy	36.9212, 0.2576, 0.2828
Android (android.graphics.Color)	4286752968 (0xFF82A8C8)
YUV	160.2860, 19.5790, -26.5608
Hunter-Lab	60.7628, -7.5302, -16.0092

Details

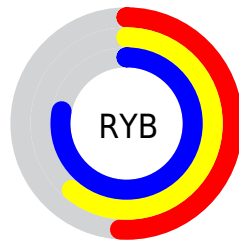
The XYZ color **33.6339, 36.9212, 59.9974** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.7698, 39.7325, 26.6406**, and the grayscale version is **33.4698, 35.2129, 38.3468**.

A 20% lighter version of the original color is **64.4453, 70.3096, 104.7822**, and **14.5756, 16.1858, 29.5501** is the 20% darker color. If you saturate the color by 10%, you get **29.2304, 32.2337, 59.3253**, and if you desaturate by 10%, it is **38.7547, 42.1564, 60.7386**.

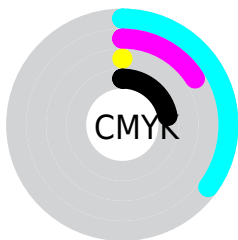
Distribution



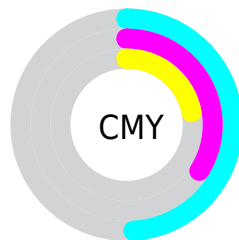
- Red (51%)
- Green (66%)
- Blue (78%)



- Red (51%)
- Yellow (61%)
- Blue (78%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6339, 36.9212, 59.9974 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 33.6339, 36.9212, 59.9974 by changing the saturation by 10% instead.

■ 33.6339, 36.9212,
59.9974

■ 33.6339, 36.9212,
59.9974

310.1112,
332.9692, 442.3926

■ 22.7740, 25.1465,
42.9913

■ 64.7120, 70.4516,
106.3692

■ 14.5465, 16.1862,
29.5469

■ 85.6610, 92.9760,
136.5720

■ 8.5860, 9.6560,
19.2458

■ 110.7038,
119.8525, 172.0107

■ 4.5271, 5.1715,
11.6694

140.2056,
151.4654, 213.1039

■ 2.0044, 2.3482,
6.3992

174.5319,
188.1991, 260.2702

■ 0.6364, 0.7991,
3.0166

214.0481,

■ 0.0000, 0.0000,

230.4381, 313.9280

1.1031

259.1194,
278.5667, 374.4960

■ 0.0000, 0.0000,
0.0000

■ 33.6339, 36.9212,
59.9974

■ 33.6339, 36.9212,
59.9974

■ 29.2304, 32.2337,
59.3253

■ 38.7547, 42.1564,
60.7386

■ 25.5036, 28.0667,
58.7175

■ 44.6235, 47.9560,
61.5488

■ 22.4138, 24.3970,
58.1720

■ 51.2734, 54.3414,
62.4308

■ 19.9155, 21.1974,
57.6861

■ 58.7343, 61.3313,
63.3867

■ 17.9561, 18.4366,
57.2565

■ 67.0346, 68.9435,
64.4185

■ 16.4722, 16.0778,
56.8794

■ 76.2012, 77.1949,
65.5281

■ 15.8488, 15.0169,
56.7075

■ 80.5225, 83.1443,
66.4487

■ 83.1635, 88.4262,
67.3290

■ 85.9403, 93.9798,
68.2546

Harmonies

Analogous

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



30.9772, 36.9212, 54.4016



33.6339, 36.9212, 59.9974



36.8463, 36.9212, 59.7511

Triad

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



33.6339, 36.9212, 59.9974



41.3817, 36.9212, 35.4593



30.8117, 36.9212, 29.1295

Complementary

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



33.6339, 36.9212, 59.9974



40.7698, 39.7325, 26.6406

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.



33.3952, 36.9212, 25.4612



33.6339, 36.9212, 59.9974



39.5570, 36.9212, 28.7152

Square

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



33.6339, 36.9212, 59.9974



41.4554, 36.9212, 44.5880



36.5927, 36.9212, 25.3222



29.4165, 36.9212, 36.1114

Rectangle

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



33.6339, 36.9212, 59.9974



38.8762, 36.9212, 56.2817



36.5927, 36.9212, 25.3222



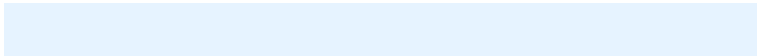
31.5626, 36.9212, 27.5182

Sweetspot

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



33.6351, 36.9226, 59.9983



82.6763, 88.2672, 107.2875



36.3384, 48.6461, 41.4253



17.3485, 18.5582, 22.9177



0.0000, 0.0000, 0.0000



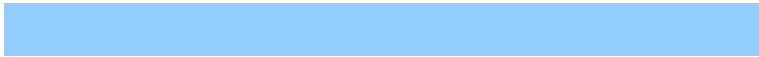
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6351, 36.9226, 59.9983



52.3259, 57.6691, 102.9811



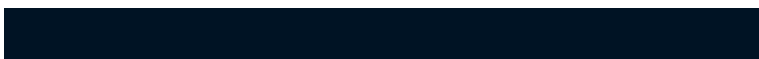
28.0885, 25.8295, 58.1494



10.5257, 11.2255, 13.5295



10.1677, 9.7293, 36.0864



0.5532, 0.6043, 1.7326

Inverse Universe

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



38.8709, 31.0729, 40.9962



62.9598, 46.8667, 64.1467



47.7024, 53.5976, 28.9515



10.8706, 10.7316, 12.3020



16.9315, 8.5222, 10.1151



0.8379, 0.4180, 0.6698

Previews

White Background



This preview shows how the XYZ color 33.6339, 36.9212, 59.9974 looks on a white background.

Color Contrast Check

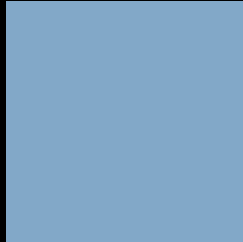
Large Text (above 18pt) WCAG AA × Fail

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 33.6339, 36.9212, 59.9974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

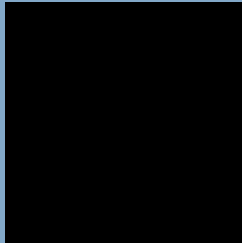
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6339, 36.9212, 59.9974

Background



This preview shows how black text looks on a background with the XYZ color 33.6339, 36.9212, 59.9974.

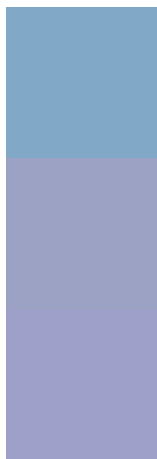


This preview shows how white text looks on a background with the XYZ color 33.6339, 36.9212,

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

33.6339, 36.9212, 59.9974

Protanopia

36.5944, 36.8941, 57.4171

Deuteranopia

37.5296, 36.7768, 60.9977



Tritanopia

31.8188, 37.0221, 50.8164

Trichromacy



Original Color

33.6339, 36.9212, 59.9974

Protanomaly

35.3861, 36.7852, 58.0585

Deuteranomaly

35.8526, 36.7073, 60.4539

Tritanomaly

32.4214, 36.9792, 54.1441

Monochromacy



Original Color

33.6339, 36.9212, 59.9974

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2295, 35.6791, 45.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6339, 36.9212, 59.9974 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(130, 168, 200)` looks like.

```
.text, #text, p{  
    color:rgb(130, 168, 200)  
}
```

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(130, 168, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 168, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.6339, 36.9212, 59.9974 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(130, 168, 200) }
```


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

```
.border{ border-color:rgb(130, 168, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 168, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 168, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 168, 200);  
box-shadow:4px 4px 4px 4px rgb(130, 168,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6339, 36.9212, 59.9974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 168, 200) }
```

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

```
.background{ background-color: rgb(130,  
168, 200) }
```

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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