

Converting Colors

XYZ(37.0468, 44.7673, 59.7279)

Have a look what the booklet for
XYZ(37.0468, 44.7673, 59.7279)
contains.

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Color

**XYZ(36.9634, 44.5869,
59.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	80BCC5
RGB	128, 188, 197
RGB Percent	50%, 74%, 77%
CMY	0.4980, 0.2627, 0.2274
CMYK	0.35, 0.05, 0.00, 0.23
HSL	188°, 37%, 64%
HSV	188°, 35%, 77%
XYZ	36.9634, 44.5869, 59.4813
YIQ	171.0860, -38.6490, -9.9210

Conversions

Conversions Part 2

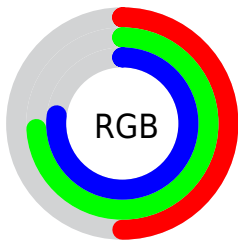
Format	Color
RYB	128, 160, 197
Decimal	8436933
CIELab	72.62, -17.02, -10.70
CIELCh	73, 20.103, 212.169
Yxy	44.5869, 0.2621, 0.3161
Android (android.graphics.Color)	4286627013 (0xFF80BCC5)
YUV	171.0860, 12.7756, -37.7864
Hunter-Lab	66.7734, -18.0422, -6.0737

Details

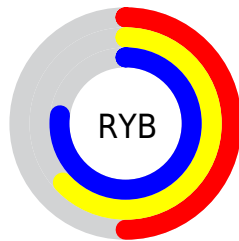
The XYZ color **36.9634, 44.5869, 59.4813** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.8686, 31.3207, 24.5782**, and the grayscale version is **38.7048, 40.7204, 44.3445**.

A 20% lighter version of the original color is **69.7685, 81.9244, 105.9017**, and **16.5235, 20.8070, 29.1319** is the 20% darker color. If you saturate the color by 10%, you get **33.7395, 42.1185, 59.1755**, and if you desaturate by 10%, it is **40.7751, 47.3750, 59.8193**.

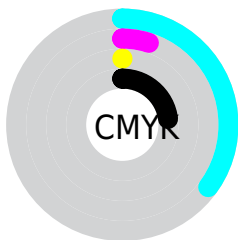
Distribution



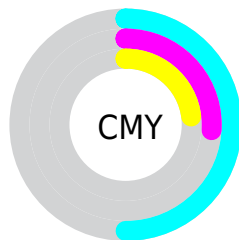
- Red (50%)
- Green (74%)
- Blue (77%)



- Red (50%)
- Yellow (63%)
- Blue (77%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (50%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9634, 44.5869, 59.4813 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 36.9634, 44.5869, 59.4813 by changing the saturation by 10% instead.


 36.9634, 44.5869,
59.4813


 36.9634, 44.5869,
59.4813


324.5103,
365.0979, 440.4347


 25.3527, 31.1322,
42.5781


 69.8307, 82.1002,
105.6129

 16.4702, 20.6995,
29.2253


 91.8180, 106.9275,
135.6783

 9.9504, 12.9045,
19.0043


 117.9949,
136.3145, 170.9683

 5.4281, 7.3628,
11.4965

148.7267,
170.6455, 211.9013

 2.5379, 3.6900,
6.2835

184.3788,
210.3049, 258.8959

 0.9144, 1.5017,
2.9467

225.3165,

 0.0000, 0.2899,

255.6772, 312.3706

1.0675

271.9052,
307.1468, 372.7440

■ 0.0000, 0.0000,
0.0000

■ 36.9634, 44.5869,
59.4813

■ 36.9634, 44.5869,
59.4813

■ 33.7395, 42.1185,
59.1755

■ 40.7751, 47.3750,
59.8193

■ 31.0658, 39.9470,
58.8973

■ 45.2012, 50.4933,
60.1879

■ 28.9067, 38.0553,
58.6460

■ 50.2718, 53.9586,
60.5895

■ 27.2208, 36.4217,
58.4195

■ 56.0136, 57.7845,
61.0254

■ 25.9600, 35.0215,
58.2157

■ 62.4519, 61.9844,
61.4967

■ 25.0658, 33.8244,
58.0318

■ 69.6105, 66.5704,
62.0046

■ 24.6999, 33.2748,
57.9450

■ 73.3863, 69.4275,
62.3571

■ 74.0098, 70.6745,
62.5649

■ 74.6435, 71.9418,
62.7761

Harmonies

Analogous

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



36.0379, 44.5869, 49.2765



36.9634, 44.5869, 59.4813



39.3309, 44.5869, 67.5414

Triad

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



36.9634, 44.5869, 59.4813



48.5751, 44.5869, 58.0543



42.1257, 44.5869, 31.8064

Complementary

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



36.9634, 44.5869, 59.4813



35.8686, 31.3207, 24.5782

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.



45.5796, 44.5869, 33.4971



36.9634, 44.5869, 59.4813



49.4224, 44.5869, 47.8258

Square

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



36.9634, 44.5869, 59.4813



46.0416, 44.5869, 66.6414



48.2982, 44.5869, 39.0432



38.9150, 44.5869, 34.0666

Rectangle

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



36.9634, 44.5869, 59.4813



41.4734, 44.5869, 70.1129



48.2982, 44.5869, 39.0432



43.2967, 44.5869, 31.9310

Sweetspot

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



36.9647, 44.5887, 59.4823



84.3169, 92.7511, 108.0665



33.3168, 46.3016, 30.4934



17.7861, 19.6731, 23.1098



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.



36.9647, 44.5887, 59.4823



61.7099, 76.4370, 106.1091



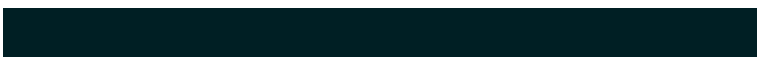
30.6112, 31.8816, 57.3645



10.8242, 11.8224, 13.6290



16.2896, 21.9730, 38.1270



0.8050, 1.1078, 1.8166

Inverse Universe

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



39.8234, 30.9407, 51.4522



67.6964, 48.7613, 89.0892



41.4012, 42.3860, 26.4224



11.0213, 10.7919, 13.0954



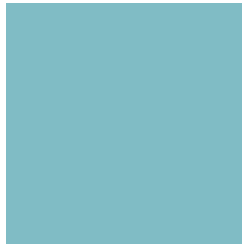
20.0215, 9.7582, 26.3870



0.9650, 0.4689, 1.3390

Previews

White Background



This preview shows how the XYZ color 36.9634, 44.5869, 59.4813 looks on a white background.

Color Contrast Check

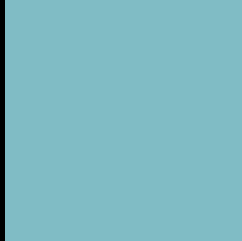
Large Text (above 18pt) WCAG AA × Fail

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 36.9634, 44.5869, 59.4813 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 36.9634, 44.5869, 59.4813

Background



This preview shows how black text looks on a background with the XYZ color 36.9634, 44.5869, 59.4813.

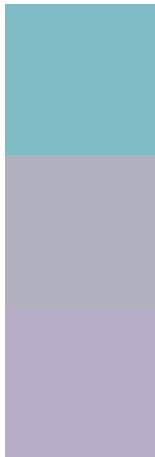


This preview shows how white text looks on a background with the XYZ color 36.9634, 44.5869,

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

36.9634, 44.5869, 59.4813

Protanopia

42.9511, 44.1155, 54.9666

Deuteranopia

45.1361, 44.2476, 60.8053



Tritanopia

37.4843, 44.4720, 62.4854

Trichromacy



Original Color

36.9634, 44.5869, 59.4813

Protanomaly

40.2450, 43.8637, 56.7975

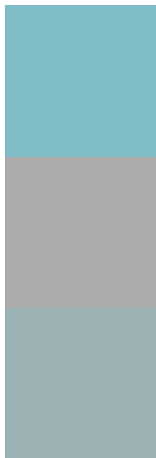
Deuteranomaly

41.5390, 43.8568, 60.3087

Tritanomaly

37.2489, 44.3779, 61.2461

Monochromacy



Original Color

36.9634, 44.5869, 59.4813

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.4779, 41.7081, 49.2552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9634, 44.5869, 59.4813 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(128, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(128, 188, 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(128, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 188, 197) }
```

Border

The CSS property to change the border of an element to XYZ 36.9634, 44.5869, 59.4813 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(128, 188, 197) }
```


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

```
.border{ border-color:rgb(128, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(128, 188,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9634, 44.5869, 59.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 188, 197) }
```

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

```
.background{ background-color: rgb(128,  
188, 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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