

Converting Colors

XYZ(36.9906, 42.3566, 48.6002)

Have a look what the booklet for
XYZ(36.9906, 42.3566, 48.6002)
contains.

XYZ(36.9348, 42.3409, 48.3454)	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(36.9348, 42.3409,
48.3454)**

Conversions

Conversions Part 1

Format	Color
Hex	96B4B2
RGB	150, 180, 178
RGB Percent	59%, 71%, 70%
CMY	0.4118, 0.2941, 0.3020
CMYK	0.17, 0.00, 0.01, 0.29
HSL	176°, 17%, 65%
HSV	176°, 17%, 71%
XYZ	36.9348, 42.3409, 48.3454
YIQ	170.8020, -17.2380, -6.9820

Conversions

Conversions Part 2

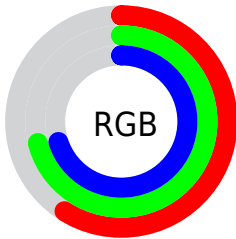
Format	Color
R_{YB}	150, 166, 180
Decimal	9876658
CIE _{Lab}	71.11, -10.59, -2.40
CIE _{LCh}	71, 10.854, 192.761
Yxy	42.3409, 0.2894, 0.3318
Android (android.graphics.Color)	4288066738 (0xFF96B4B2)
YUV	170.8020, 3.5486, -18.2434
Hunter-Lab	65.0699, -12.5526, 1.4978

Details

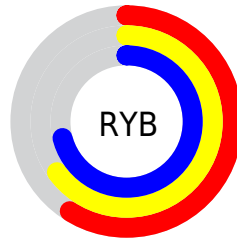
The XYZ color **36.9348, 42.3409, 48.3454** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.3977, 33.7841, 34.3629**, and the grayscale version is **38.5993, 40.6094, 44.2237**.

A 20% lighter version of the original color is **70.0236, 78.9106, 89.3825**, and **16.4366, 19.3121, 22.2633** is the 20% darker color. If you saturate the color by 10%, you get **33.7538, 40.7160, 47.5704**, and if you desaturate by 10%, it is **40.6281, 44.2320, 49.1517**.

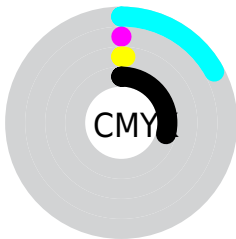
Distribution



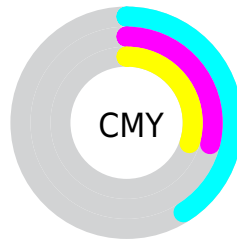
- Red (59%)
- Green (71%)
- Blue (70%)



- Red (59%)
- Yellow (65%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (41%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9348, 42.3409, 48.3454 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 36.9348, 42.3409, 48.3454 by changing the saturation by 10% instead.

■ 36.9348, 42.3409,
48.3454

■ 36.9348, 42.3409,
48.3454

324.3886,
355.8942, 396.7077

■ 25.3305, 29.3683,
33.7386

■ 69.7870, 78.7153,
89.0893

■ 16.4535, 19.3596,
22.4171

■ 91.7655, 102.8859,
116.0635

■ 9.9385, 11.9304,
13.9625

117.9328,
131.5580, 147.9972

■ 5.4201, 6.6963,
7.9561

148.6543,
165.1159, 185.3090

■ 2.5331, 3.2729,
3.9795

184.2953,
203.9441, 228.4174

■ 0.9120, 1.2758,
1.6141

225.2210,

■ 0.0000, 0.1224,

248.4270, 277.7410

0.3009

271.7970,
298.9488, 333.6982

■ 0.0000, 0.0000,
0.0000

■ 36.9348, 42.3409,
48.3454

■ 36.9348, 42.3409,
48.3454

■ 33.7538, 40.7160,
47.5704

■ 40.6281, 44.2320,
49.1517

■ 31.0583, 39.3402,
46.8227

■ 44.8518, 46.3953,
49.9875

■ 28.8247, 38.2024,
46.1021

■ 49.6274, 48.8429,
50.8546

■ 27.0257, 37.2885,
45.4073

■ 54.9744, 51.5850,
51.7541

■ 25.6313, 36.5830,
44.7369

■ 60.9111, 54.6310,
52.6867

■ 24.6077, 36.0687,
44.0893

■ 66.3412, 57.4157,
53.6011

■ 23.9157, 35.7251,
43.4627

■ 66.4688, 57.4668,
54.2731

■ 23.5013, 35.5245,
42.8545

■ 66.5975, 57.5182,
54.9507

■ 23.3889, 35.4708,
42.6542

■ 66.7272, 57.5701,
55.6339

Harmonies

Analogous

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



37.0015, 42.3409, 43.2027



36.9348, 42.3409, 48.3454



37.7353, 42.3409, 53.2271

Triad

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



36.9348, 42.3409, 48.3454



42.6602, 42.3409, 53.8372



41.2870, 42.3409, 37.1991

Complementary

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



36.9348, 42.3409, 48.3454



35.3977, 33.7841, 34.3629

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.



42.8610, 42.3409, 39.6430



36.9348, 42.3409, 48.3454



43.6701, 42.3409, 49.1283

Square

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



36.9348, 42.3409, 48.3454



41.0196, 42.3409, 56.5543



43.7447, 42.3409, 43.9292



39.4777, 42.3409, 37.0242

Rectangle

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



36.9348, 42.3409, 48.3454



38.6673, 42.3409, 55.5727



43.7447, 42.3409, 43.9292



41.8625, 42.3409, 37.7736

Sweetspot

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



36.9360, 42.3427, 48.3463



74.8103, 80.7852, 89.3543



34.8702, 41.5701, 35.0408



16.0603, 17.4048, 19.2903



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.9360, 42.3427, 48.3463



64.7443, 75.6346, 87.1350



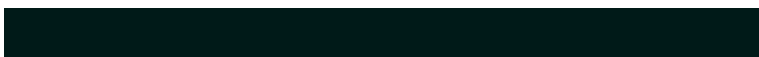
34.7276, 37.6017, 48.6096



8.7177, 9.6216, 10.7729



16.3331, 24.7592, 29.8205



0.5212, 0.7819, 0.9766

Inverse Universe

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



35.3977, 33.7841, 34.3629



61.4272, 57.1773, 56.9805



37.3375, 37.9239, 34.2070



8.5186, 8.5142, 8.9634



13.1928, 6.7947, 0.9094



0.4227, 0.2168, 0.0684

Previews

White Background



This preview shows how the XYZ color 36.9348, 42.3409, 48.3454 looks on a white background.

Color Contrast Check

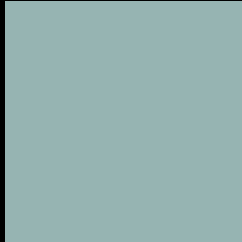
Large Text (above 18pt) WCAG AA × Fail

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 36.9348, 42.3409, 48.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

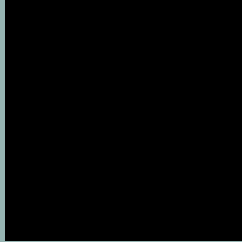
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9348, 42.3409, 48.3454

Background



This preview shows how black text looks on a background with the XYZ color 36.9348, 42.3409, 48.3454.

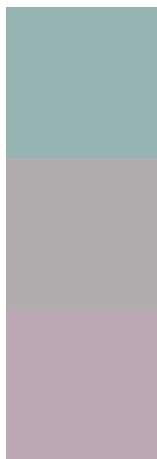


This preview shows how white text looks on a background with the XYZ color 36.9348, 42.3409,

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

36.9348, 42.3409, 48.3454

Protanopia

40.7150, 42.2902, 46.0613

Deuteranopia

42.7344, 41.8653, 49.0085



Tritanopia

38.5717, 42.4189, 56.0239

Trichromacy



Original Color

36.9348, 42.3409, 48.3454

Protanomaly

39.1995, 42.3613, 46.6680

Deuteranomaly

40.3448, 41.7584, 48.5816

Tritanomaly

38.0386, 42.5035, 53.2128

Monochromacy



Original Color

36.9348, 42.3409, 48.3454

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8803, 41.1146, 45.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9348, 42.3409, 48.3454 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(150, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(150, 180, 178)  
}
```

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(150, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.9348, 42.3409, 48.3454 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(150, 180, 178) }
```


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

```
.border{ border-color:rgb(150, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(150, 180,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9348, 42.3409, 48.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 180, 178) }
```

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

```
.background{ background-color: rgb(150,  
180, 178) }
```

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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