

Converting Colors

XYZ(34.8915, 48.5848, 53.0729)

Have a look what the booklet for
XYZ(34.8915, 48.5848, 53.0729)
contains.

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Color

**XYZ(34.9374, 48.7140,
52.9087)**

Conversions

Conversions Part 1

Format	Color
Hex	61CBB8
RGB	97, 203, 184
RGB Percent	38%, 80%, 72%
CMY	0.6196, 0.2039, 0.2784
CMYK	0.52, 0.00, 0.09, 0.20
HSL	169°, 50%, 59%
HSV	169°, 52%, 80%
XYZ	34.9374, 48.7140, 52.9087
YIQ	169.1400, -57.0770, -28.3810

Conversions

Conversions Part 2

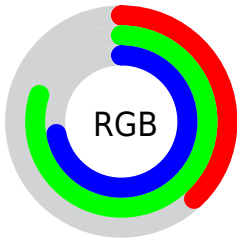
Format	Color
RYB	97, 155, 203
Decimal	6409144
CIELab	75.27, -35.25, 0.13
CIELCh	75, 35.250, 179.787
Yxy	48.7140, 0.2558, 0.3567
Android (android.graphics.Color)	4284599224 (0xFF61CBB8)
YUV	169.1400, 7.3260, -63.2668
Hunter-Lab	69.7954, -32.7905, 3.9118

Details

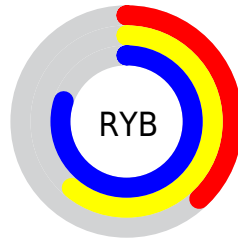
The XYZ color **34.9374, 48.7140, 52.9087** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0573, 22.5081, 19.1796**, and the grayscale version is **37.7676, 39.7345, 43.2709**.

A 20% lighter version of the original color is **65.0057, 84.7798, 95.3761**, and **15.2517, 23.1098, 25.1295** is the 20% darker color. If you saturate the color by 10%, you get **32.6686, 47.5891, 50.8376**, and if you desaturate by 10%, it is **37.7722, 50.1319, 55.0597**.

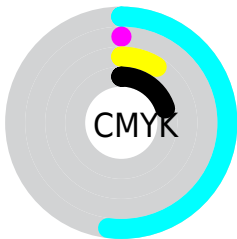
Distribution



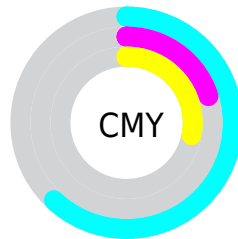
- Red (38%)
- Green (80%)
- Blue (72%)



- Red (38%)
- Yellow (61%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)





- Cyan (62%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9374, 48.7140, 52.9087 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 34.9374, 48.7140, 52.9087 by changing the saturation by 10% instead.


 34.9374, 48.7140,
52.9087


 34.9374, 48.7140,
52.9087


315.8048,
381.6153, 414.9911


 23.7809, 34.3927,
37.3427


 66.7234, 88.2665,
95.9102


 15.2951, 23.1954,
25.1750

 88.0837, 114.2665,
124.1827

 9.1144, 14.7379,
15.9873


 113.5760,
144.9282, 157.5279

 4.8736, 8.6356,
9.3609

 143.5657,
180.6359, 196.3641

 2.2073, 4.5043,
4.8773

178.4180,
221.7741, 241.1100

 0.7466, 1.9595,
2.1180

218.4984,

 0.0000, 0.5838,

268.7271, 292.1841

0.6264

264.1722,
321.8794, 350.0050

■ 0.0000, 0.0000,
0.0000

■ 34.9374, 48.7140,
52.9087

■ 34.9374, 48.7140,
52.9087

■ 32.6686, 47.5891,
50.8376

■ 37.7722, 50.1319,
55.0597

■ 30.9185, 46.7293,
48.8405

■ 41.2074, 51.8571,
57.2893

■ 29.6389, 46.1109,
46.9159

■ 45.2797, 53.9095,
59.6008

■ 28.7704, 45.7033,
45.0607

■ 50.0215, 56.3058,
61.9959

■ 28.2960, 45.4893,
43.6604

■ 55.4629, 59.0617,
64.4765

■ 61.6324, 62.1918,
67.0442

■ 68.5568, 65.7098,
69.7007

■ 74.6216, 68.7835,
72.3707

■ 75.0892, 68.9705,
74.8329

Harmonies

Analogous

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



36.3574, 48.7140, 37.0506



34.9374, 48.7140, 52.9087



36.3180, 48.7140, 72.7914

Triad

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



34.9374, 48.7140, 52.9087



52.7632, 48.7140, 90.3790



52.8507, 48.7140, 27.8172

Complementary

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



34.9374, 48.7140, 52.9087



32.0573, 22.5081, 19.1796

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.



57.9643, 48.7140, 37.2318



34.9374, 48.7140, 52.9087



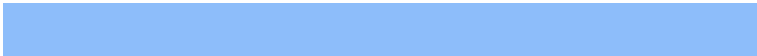
57.9105, 48.7140, 73.0756

Square

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



34.9374, 48.7140, 52.9087



46.2549, 48.7140, 97.2647



59.8952, 48.7140, 53.1741



46.3475, 48.7140, 24.7858

Rectangle

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



34.9374, 48.7140, 52.9087



38.7217, 48.7140, 85.1818



59.8952, 48.7140, 53.1741



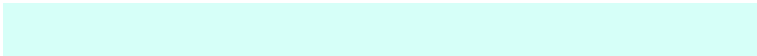
54.8104, 48.7140, 30.2127

Sweetspot

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



34.9388, 48.7159, 52.9098



80.4446, 92.6041, 102.1862



30.7753, 47.3197, 18.8217



16.8642, 19.6421, 21.6930



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.



34.9388, 48.7159, 52.9098



54.1671, 79.4203, 84.5709



29.9794, 35.3923, 61.7535



11.4536, 12.6912, 13.9461



18.0374, 28.9602, 27.9455



0.9537, 1.5033, 1.5636

Inverse Universe

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



32.0573, 22.5081, 19.1796



48.8584, 30.7616, 22.1503



34.8461, 29.6775, 15.2018



11.2931, 11.2460, 12.0780



15.9042, 8.1723, 1.9483



0.8461, 0.4319, 0.2357

Previews

White Background



This preview shows how the XYZ color 34.9374, 48.7140, 52.9087 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 34.9374, 48.7140, 52.9087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

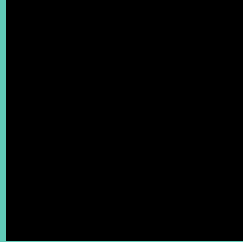
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9374, 48.7140, 52.9087

Background



This preview shows how black text looks on a background with the XYZ color 34.9374, 48.7140, 52.9087.

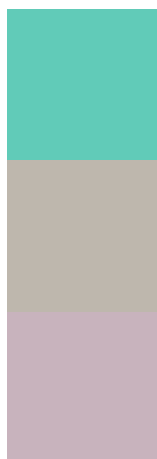


This preview shows how white text looks on a background with the XYZ color 34.9374, 48.7140,

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

34.9374, 48.7140, 52.9087

Protanopia

45.7115, 47.8313, 46.3583

Deuteranopia

49.1248, 48.1937, 54.8573



Tritanopia

38.7526, 48.8789, 71.6821

Trichromacy



Original Color

34.9374, 48.7140, 52.9087



Protanomaly

40.0596, 47.0692, 48.5689



Deuteranomaly

42.0571, 47.3408, 53.9348



Tritanomaly

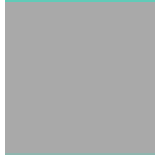
37.1469, 48.5518, 64.5403

Monochromacy



Original Color

34.9374, 48.7140, 52.9087



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.4915, 41.9434, 46.2697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9374, 48.7140, 52.9087 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(97, 203, 184)` looks like.

```
.text, #text, p{  
    color:rgb(97, 203, 184)  
}
```

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(97, 203, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 203, 184) }
```

Border

The CSS property to change the border of an element to XYZ 34.9374, 48.7140, 52.9087 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(97, 203, 184) }
```


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

```
.border{ border-color:rgb(97, 203, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 203, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 203, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 203, 184);  
box-shadow:4px 4px 4px 4px rgb(97, 203,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9374, 48.7140, 52.9087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 203, 184) }
```

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

```
.background{ background-color: rgb(97, 203,  
184) }
```

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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