

Converting Colors

XYZ(34.5002, 46.9095, 72.7114)

Have a look what the booklet for
XYZ(34.5002, 46.9095, 72.7114)
contains.

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Color

**XYZ(34.5948, 47.0484,
72.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	34C8D9
RGB	52, 200, 217
RGB Percent	20%, 78%, 85%
CMY	0.7960, 0.2157, 0.1490
CMYK	0.76, 0.08, 0.00, 0.15
HSL	186°, 68%, 53%
HSV	186°, 76%, 85%
XYZ	34.5948, 47.0484, 72.9035
YIQ	157.6860, -93.6650, -26.0890

Conversions

Conversions Part 2

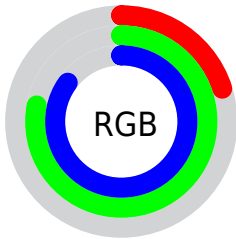
Format	Color
RYB	52, 130, 217
Decimal	3459289
CIELab	74.22, -31.89, -19.42
CIELCh	74, 37.334, 211.335
Yxy	47.0484, 0.2238, 0.3044
Android (android.graphics.Color)	4281649369 (0xFF34C8D9)
YUV	157.6860, 29.2418, -92.6866
Hunter-Lab	68.5918, -30.0079, -15.0027

Details

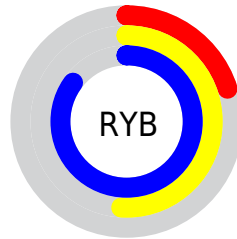
The XYZ color **34.5948, 47.0484, 72.9035** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.3645, 19.2574, 5.3141**, and the grayscale version is **32.2616, 33.9417, 36.9625**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **16.8005, 23.1664, 37.7685** is the 20% darker color. If you saturate the color by 10%, you get **33.2100, 45.5724, 72.6925**, and if you desaturate by 10%, it is **36.5030, 48.8074, 73.1433**.

Distribution



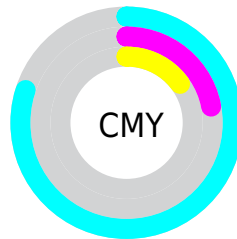
- Red (20%)
- Green (78%)
- Blue (85%)



- Red (20%)
- Yellow (51%)
- Blue (85%)



- Cyan (76%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (80%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5948, 47.0484, 72.9035 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 34.5948, 47.0484, 72.9035 by changing the saturation by 10% instead.

■ 34.5948, 47.0484,
72.9035

■ 34.5948, 47.0484,
72.9035

314.3156,
375.0077, 489.7421

■ 23.5160, 33.0739,
53.4057

■ 66.1957, 85.7859,
125.0599

■ 15.0977, 22.1831,
37.7368

■ 87.4485, 111.3176,
158.5555

■ 8.9748, 13.9915,
25.4782

■ 112.8234,
141.4706, 197.5542

■ 4.7817, 8.1147,
16.2115

■ 142.6856,
176.6292, 242.4745

■ 2.1532, 4.1685,
9.5179

■ 177.4006,
217.1778, 293.7348

■ 0.7179, 1.7682,
4.9791

217.3337,

■ 0.0000, 0.4673,

263.5009, 351.7539

2.1765

262.8503,
315.9827, 416.9501

■ 0.0000, 0.0000,
0.6608

■ 0.0000, 0.0000,
0.0000

■ 34.5948, 47.0484,
72.9035

■ 34.5948, 47.0484,
72.9035

■ 33.2100, 45.5724,
72.6925

■ 36.5030, 48.8074,
73.1433

■ 32.2668, 44.3343,
72.5032

■ 38.9925, 50.8764,
73.4115

■ 31.9601, 43.8809,
72.4319

■ 42.1183, 53.2847,
73.7116

■ 45.9278, 56.0569,
74.0459

■ 50.4637, 59.2150,
74.4164

■ 55.7654, 62.7794,
74.8249

■ 61.8694, 66.7688,
75.2733

■ 68.8097, 71.2009,
75.7630

■ 76.6185, 76.0924,
76.2956

Harmonies

Analogous

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



33.0386, 47.0484, 52.0920



34.5948, 47.0484, 72.9035



38.8202, 47.0484, 90.8866

Triad

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



34.5948, 47.0484, 72.9035



56.9976, 47.0484, 71.0362



44.4187, 47.0484, 22.4927

Complementary

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



34.5948, 47.0484, 72.9035



31.3645, 19.2574, 5.3141

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.



51.1850, 47.0484, 25.2004



34.5948, 47.0484, 72.9035



58.8692, 47.0484, 50.3730

Square

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



34.5948, 47.0484, 72.9035



51.7558, 47.0484, 89.6328



56.6455, 47.0484, 34.3403



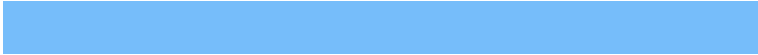
38.3491, 47.0484, 25.7398

Rectangle

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



34.5948, 47.0484, 72.9035



42.8057, 47.0484, 97.0281



56.6455, 47.0484, 34.3403



46.6866, 47.0484, 22.7310

Sweetspot

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



34.5963, 47.0501, 72.9046



74.7687, 86.7279, 107.4072



27.2890, 50.7803, 13.9142



15.4425, 18.1811, 22.9454



0.0000, 0.0000, 0.0000



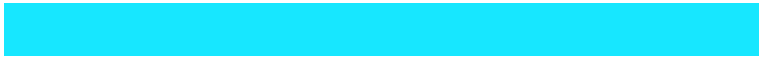
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5963, 47.0501, 72.9046



47.0041, 64.6054, 104.6004



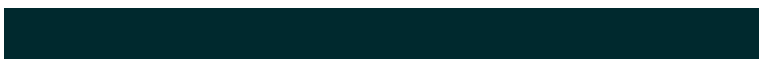
20.4206, 18.6988, 68.1794



13.3243, 14.5883, 16.7657



19.3922, 26.6539, 43.8610



1.2900, 1.7942, 2.8528

Inverse Universe

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



40.2698, 21.3792, 56.6496



55.9823, 27.6456, 78.0556



40.3032, 37.1349, 8.2937



13.5536, 13.2505, 16.1762



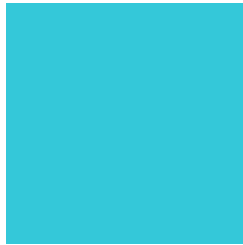
23.2836, 11.3145, 32.2033



1.5254, 0.7398, 2.1759

Previews

White Background



This preview shows how the XYZ color 34.5948, 47.0484, 72.9035 looks on a white background.

Color Contrast Check

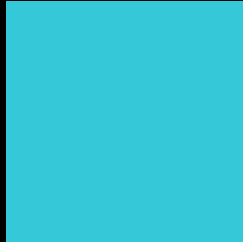
Large Text (above 18pt) WCAG AA × Fail

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 34.5948, 47.0484, 72.9035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

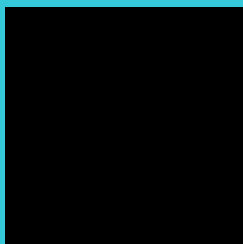
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

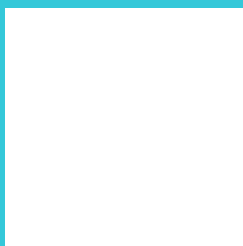
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5948, 47.0484, 72.9035

Background



This preview shows how black text looks on a background with the XYZ color 34.5948, 47.0484, 72.9035.

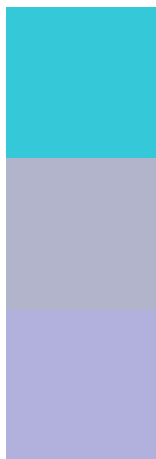


This preview shows how white text looks on a background with the XYZ color 34.5948, 47.0484,

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

34.5948, 47.0484, 72.9035

Protanopia

45.5804, 46.4671, 63.6934

Deuteranopia

47.2671, 46.1832, 75.5302



Tritanopia

34.4142, 46.9702, 72.2181

Trichromacy



Original Color

34.5948, 47.0484, 72.9035



Protanomaly

38.7947, 45.0496, 66.9724



Deuteranomaly

39.7829, 44.7708, 74.2550



Tritanomaly

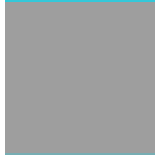
34.4142, 46.9702, 72.2181

Monochromacy



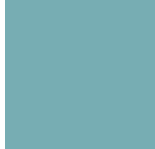
Original Color

34.5948, 47.0484, 72.9035



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.6880, 37.0638, 48.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5948, 47.0484, 72.9035 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(52, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(52, 200, 217)  
}
```

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(52, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 200, 217) }
```

Border

The CSS property to change the border of an element to XYZ 34.5948, 47.0484, 72.9035 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(52, 200, 217) }
```


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

```
.border{ border-color:rgb(52, 200, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 200, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(52, 200,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5948, 47.0484, 72.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 200, 217) }
```

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

```
.background{ background-color: rgb(52, 200,  
217) }
```

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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