

Converting Colors

XYZ(35.9697, 49.3354, 64.7532)

Have a look what the booklet for
XYZ(35.9697, 49.3354, 64.7532)
contains.

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Color

**XYZ(35.9716, 49.3392,
64.7543)**

Conversions

Conversions Part 1

Format	Color
Hex	52CCCC
RGB	82, 204, 204
RGB Percent	32%, 80%, 80%
CMY	0.6784, 0.2000, 0.2000
CMYK	0.60, 0.00, 0.00, 0.20
HSL	180°, 54%, 56%
HSV	180°, 60%, 80%
XYZ	35.9716, 49.3392, 64.7543
YIQ	167.5220, -72.7120, -25.8640

Conversions

Conversions Part 2

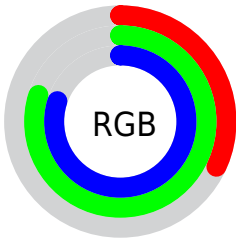
Format	Color
RYB	82, 143, 204
Decimal	5426380
CIELab	75.66, -33.43, -10.15
CIELCh	76, 34.934, 196.894
Yxy	49.3392, 0.2397, 0.3288
Android (android.graphics.Color)	4283616460 (0xFF52CCCC)
YUV	167.5220, 17.9837, -75.0028
Hunter-Lab	70.2419, -31.5115, -5.4887

Details

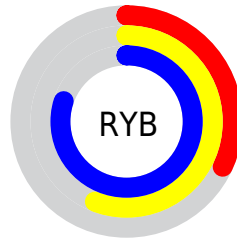
The XYZ color **35.9716, 49.3392, 64.7543** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4437, 19.4826, 10.1928**, and the grayscale version is **36.9271, 38.8502, 42.3078**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **16.2525, 23.6969, 32.5715** is the 20% darker color. If you saturate the color by 10%, you get **34.4548, 48.5584, 64.6842**, and if you desaturate by 10%, it is **38.0186, 50.3956, 64.8514**.

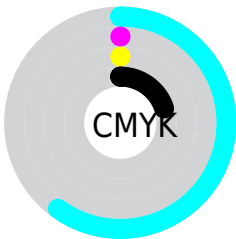
Distribution



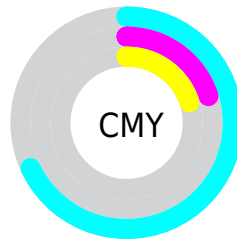
- Red (32%)
- Green (80%)
- Blue (80%)



- Red (32%)
- Yellow (56%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (68%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9716, 49.3392, 64.7543 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 35.9716, 49.3392, 64.7543 by changing the saturation by 10% instead.


 35.9716, 49.3392,
64.7543


 35.9716, 49.3392,
64.7543


320.2698,
384.0761, 460.1905

 24.5823, 34.8886,
46.8118


 68.3124, 89.1950,
113.3064


 15.8932, 23.5771,
32.5336

 89.9946, 115.3691,
144.7531

 9.5390, 15.0202,
21.5012


 115.8384,
146.2198, 181.5383

 5.1543, 8.8336,
13.2961

 146.2092,
182.1314, 224.0806

 2.3737, 4.6328,
7.4996

181.4724,
223.4885, 272.7984

 0.8320, 2.0335,
3.6933

221.9933,

 0.0000, 0.6268,

270.6754, 328.1103

1.4587

268.1374,
324.0765, 390.4348

■ 0.0000, 0.0000,
0.1868

■ 0.0000, 0.0000,
0.0000

■ 35.9716, 49.3392,
64.7543

■ 35.9716, 49.3392,
64.7543

■ 34.4548, 48.5584,
64.6842

■ 38.0186, 50.3956,
64.8514

■ 33.4155, 48.0226,
64.6354

■ 40.6337, 51.7437,
64.9740

■ 32.7979, 47.7042,
64.6063

■ 43.8565, 53.4051,
65.1250

■ 32.4978, 47.5495,
64.5921

■ 47.7219, 55.3978,
65.3060

■ 32.4928, 47.5469,
64.5919

■ 52.2620, 57.7383,
65.5187

■ 57.5069, 60.4421,
65.7643

■ 63.4847, 63.5238,
66.0443

■ 70.2221, 66.9971,
66.3598

■ 73.7332, 68.8071,
66.5243

Harmonies

Analogous

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



35.7935, 49.3392, 46.0423



35.9716, 49.3392, 64.7543



38.8984, 49.3392, 84.1552

Triad

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



35.9716, 49.3392, 64.7543



56.5762, 49.3392, 81.9286



49.7729, 49.3392, 25.9586

Complementary

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



35.9716, 49.3392, 64.7543



29.4437, 19.4826, 10.1928

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.



55.9197, 49.3392, 31.6840



35.9716, 49.3392, 64.7543



60.0840, 49.3392, 62.2115

Square

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



35.9716, 49.3392, 64.7543



50.6041, 49.3392, 95.5276



59.8332, 49.3392, 44.0198



43.3726, 49.3392, 26.3358

Rectangle

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



35.9716, 49.3392, 64.7543



42.1814, 49.3392, 93.6030



59.8332, 49.3392, 44.0198



51.9483, 49.3392, 27.1652

Sweetspot

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



35.9731, 49.3411, 64.7555



80.1327, 92.3099, 108.2013



26.7765, 45.6832, 15.3903



16.7124, 19.5317, 23.1390



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.



35.9731, 49.3411, 64.7555



56.4375, 80.0946, 107.0907



24.5108, 26.4163, 60.9358



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6535



1.0550, 1.5438, 2.0973

Inverse Universe

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



29.4437, 19.4826, 10.1928



44.6691, 26.2776, 8.7470



35.9466, 32.4884, 12.3601



11.2124, 11.2137, 11.6530



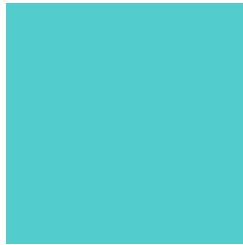
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 35.9716, 49.3392, 64.7543 looks on a white background.

Color Contrast Check

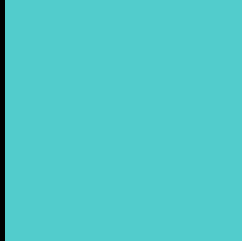
Large Text (above 18pt) WCAG AA × Fail

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 35.9716, 49.3392, 64.7543 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

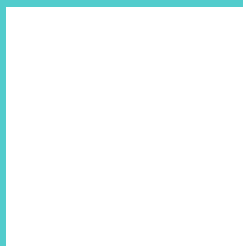
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9716, 49.3392, 64.7543

Background



This preview shows how black text looks on a background with the XYZ color 35.9716, 49.3392, 64.7543.

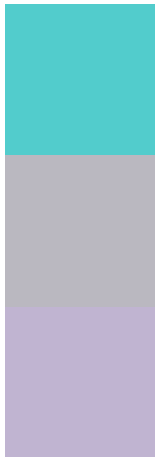


This preview shows how white text looks on a background with the XYZ color 35.9716, 49.3392,

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

35.9716, 49.3392, 64.7543

Protanopia

46.9046, 48.5259, 56.7635

Deuteranopia

49.5681, 48.4524, 67.0613



Tritanopia

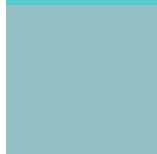
37.7999, 49.3777, 73.8683

Trichromacy



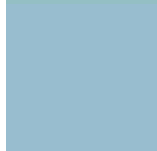
Original Color

35.9716, 49.3392, 64.7543



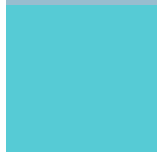
Protanomaly

40.8073, 47.5430, 59.2505



Deuteranomaly

42.4090, 47.5756, 65.9793



Tritanomaly

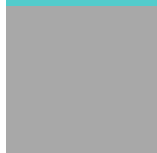
37.2039, 49.4944, 70.5433

Monochromacy



Original Color

35.9716, 49.3392, 64.7543



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.1809, 41.7023, 49.9112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9716, 49.3392, 64.7543 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(82, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 204)  
}
```

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(82, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.9716, 49.3392, 64.7543 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(82, 204, 204) }
```


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

```
.border{ border-color:rgb(82, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9716, 49.3392, 64.7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 204) }
```

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

```
.background{ background-color: rgb(82, 204,  
204) }
```

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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