

Converting Colors

XYZ(36.3739, 49.8765, 69.9939)

Have a look what the booklet for
XYZ(36.3739, 49.8765, 69.9939)
contains.

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Color

**XYZ(36.3135, 49.7557,
69.9772)**

Conversions

Conversions Part 1

Format	Color
Hex	47CDD4
RGB	71, 205, 212
RGB Percent	28%, 80%, 83%
CMY	0.7215, 0.1961, 0.1686
CMYK	0.67, 0.03, 0.00, 0.17
HSL	183°, 62%, 55%
HSV	183°, 67%, 83%
XYZ	36.3135, 49.7557, 69.9772
YIQ	165.7320, -82.1110, -26.2310

Conversions

Conversions Part 2

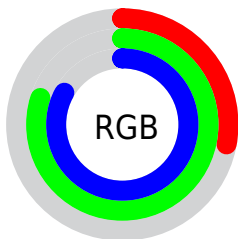
Format	Color
RYB	71, 140, 212
Decimal	4705748
CIELab	75.92, -33.39, -14.11
CIELCh	76, 36.253, 202.913
Yxy	49.7557, 0.2327, 0.3189
Android (android.graphics.Color)	4282895828 (0xFF47CDD4)
YUV	165.7320, 22.8101, -83.0800
Hunter-Lab	70.5377, -31.5475, -9.4425

Details

The XYZ color **36.3135, 49.7557, 69.9772** 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 **31.0142, 19.9019, 8.1694**, and the grayscale version is **36.0397, 37.9166, 41.2912**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **16.9921, 24.2470, 35.6829** is the 20% darker color. If you saturate the color by 10%, you get **34.7710, 48.5891, 69.8342**, and if you desaturate by 10%, it is **38.4029, 51.2089, 70.1485**.

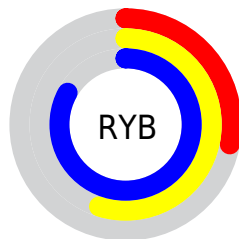
Distribution



Red (28%)

Green (80%)

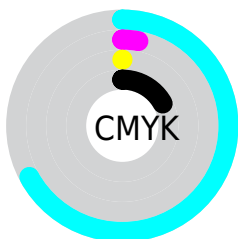
Blue (83%)



Red (28%)

Yellow (55%)

Blue (83%)

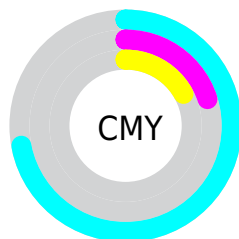


Cyan (67%)

Magenta (3%)

Yellow (0%)

Black (17%)



Cyan (72%)


Magenta (20%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3135, 49.7557, 69.9772 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 36.3135, 49.7557, 69.9772 by changing the saturation by 10% instead.

 36.3135, 49.7557,
69.9772


 36.3135, 49.7557,
69.9772


321.7361,
385.7098, 479.2569


 24.8476, 35.2193,
51.0313


 68.8364, 89.8128,
120.8571

 16.0917, 23.8319,
35.8566


 90.6241, 116.1023,
153.6280

 9.6803, 15.2089,
24.0346


 116.5832,
147.0783, 191.8445

 5.2482, 8.9662,
15.1469

 147.0790,
183.1253, 235.9248

 2.4298, 4.7191,
8.7748

182.4768,
224.6275, 286.2877

 0.8600, 2.0834,
4.4998

223.1420,

 0.0000, 0.6553,

271.9694, 343.3517

1.9033

269.4400,
325.5354, 407.5352

■ 0.0000, 0.0000,
0.4948

■ 0.0000, 0.0000,
0.0000

■ 36.3135, 49.7557,
69.9772

■ 36.3135, 49.7557,
69.9772

■ 34.7710, 48.5891,
69.8342

■ 38.4029, 51.2089,
70.1485

■ 33.7115, 47.6731,
69.7133

■ 41.0855, 52.9692,
70.3469

■ 33.0610, 46.9703,
69.6119

■ 44.4075, 55.0618,
70.5757

■ 32.8822, 46.7503,
69.5789

■ 48.4097, 57.5075,
70.8368

■ 53.1292, 60.3256,
71.1320

■ 58.6007, 63.5338,
71.4629

■ 64.8563, 67.1488,
71.8309

■ 71.9265, 71.1863,
72.2376

■ 77.2904, 74.3467,
72.5649

Harmonies

Analogous

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



35.5433, 49.7557, 49.7166



36.3135, 49.7557, 69.9772



39.8870, 49.7557, 89.5740

Triad

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



36.3135, 49.7557, 69.9772



58.4211, 49.7557, 79.8299



48.9112, 49.7557, 25.0229

Complementary

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



36.3135, 49.7557, 69.9772



31.0142, 19.9019, 8.1694

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.



55.5595, 49.7557, 29.6006



36.3135, 49.7557, 69.9772



61.3787, 49.7557, 58.8934

Square

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



36.3135, 49.7557, 69.9772



52.5275, 49.7557, 96.1424



60.2846, 49.7557, 40.9519



42.4152, 49.7557, 26.6395

Rectangle

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



36.3135, 49.7557, 69.9772



43.5786, 49.7557, 98.0490



60.2846, 49.7557, 40.9519



51.2091, 49.7557, 25.8425

Sweetspot

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



36.3150, 49.7576, 69.9784



77.9096, 89.9729, 107.8680



27.4373, 48.9453, 14.7856



16.2410, 18.9982, 23.0610



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.



36.3150, 49.7576, 69.9784



52.0297, 73.1527, 105.9854



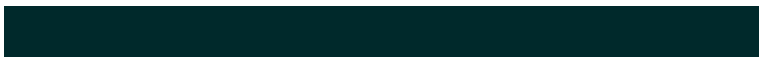
23.4009, 23.9293, 65.6737



12.7369, 13.9973, 15.9680



20.3220, 28.9057, 42.9614



1.2423, 1.7766, 2.5968

Inverse Universe

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



40.4253, 22.9127, 60.0515



58.8861, 30.2126, 89.0137



38.5998, 35.0731, 10.6980



12.9252, 12.6216, 15.5461



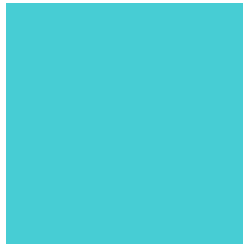
23.3165, 11.2629, 35.3001



1.4147, 0.6827, 2.1732

Previews

White Background



This preview shows how the XYZ color 36.3135, 49.7557, 69.9772 looks on a white background.

Color Contrast Check

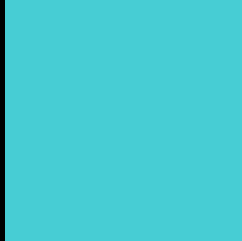
Large Text (above 18pt) WCAG AA × Fail

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 36.3135, 49.7557, 69.9772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

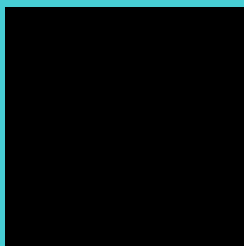
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

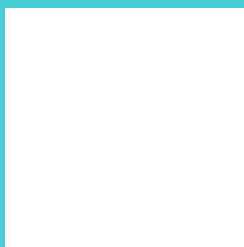
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3135, 49.7557, 69.9772

Background



This preview shows how black text looks on a background with the XYZ color 36.3135, 49.7557, 69.9772.

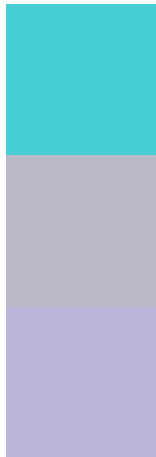


This preview shows how white text looks on a background with the XYZ color 36.3135, 49.7557,

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

36.3135, 49.7557, 69.9772

Protanopia

47.6653, 49.1357, 61.0047

Deuteranopia

50.0345, 48.8763, 72.4426



Tritanopia

37.4128, 49.8489, 75.3601

Trichromacy



Original Color

36.3135, 49.7557, 69.9772



Protanomaly

41.2503, 47.9882, 64.2153



Deuteranomaly

42.5333, 47.8442, 71.2831



Tritanomaly

36.9413, 49.6513, 73.2823

Monochromacy



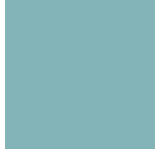
Original Color

36.3135, 49.7557, 69.9772



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.2286, 40.8867, 50.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3135, 49.7557, 69.9772 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(71, 205, 212)` looks like.

```
.text, #text, p{  
    color:rgb(71, 205, 212)  
}
```

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(71, 205, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 205, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.3135, 49.7557, 69.9772 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(71, 205, 212) }
```


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

```
.border{ border-color:rgb(71, 205, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 205, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 205, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 205, 212);  
box-shadow:4px 4px 4px 4px rgb(71, 205,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3135, 49.7557, 69.9772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 205, 212) }
```

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

```
.background{ background-color: rgb(71, 205,  
212) }
```

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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