

Converting Colors

XYZ(36.1357, 49.7684, 65.3315)

Have a look what the booklet for
XYZ(36.1357, 49.7684, 65.3315)
contains.

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Color

**XYZ(36.1590, 49.7759,
65.4595)**

Conversions

Conversions Part 1

Format	Color
Hex	50CDCD
RGB	80, 205, 205
RGB Percent	31%, 80%, 80%
CMY	0.6863, 0.1961, 0.1961
CMYK	0.61, 0.00, 0.00, 0.20
HSL	180°, 56%, 56%
HSV	180°, 61%, 80%
XYZ	36.1590, 49.7759, 65.4595
YIQ	167.6250, -74.5000, -26.5000

Conversions

Conversions Part 2

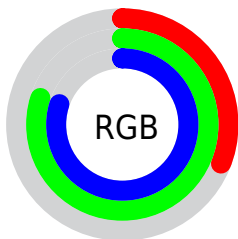
Format	Color
RYB	80, 143, 205
Decimal	5295565
CIELab	75.93, -33.96, -10.30
CIELCh	76, 35.487, 196.865
Yxy	49.7759, 0.2388, 0.3288
Android (android.graphics.Color)	4283485645 (0xFF50CDDC)
YUV	167.6250, 18.4259, -76.8471
Hunter-Lab	70.5520, -31.9821, -5.6239

Details

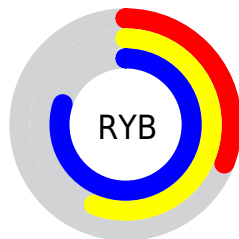
The XYZ color **36.1590, 49.7759, 65.4595** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4951, 19.2971, 9.7611**, and the grayscale version is **36.9760, 38.9016, 42.3639**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **16.4923, 24.0471, 33.0505** is the 20% darker color. If you saturate the color by 10%, you get **34.6854, 49.0174, 65.3915**, and if you desaturate by 10%, it is **38.1635, 50.8104, 65.5546**.

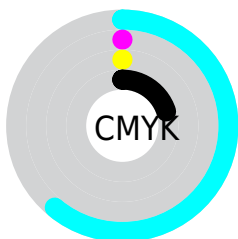
Distribution



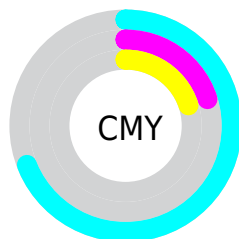
- Red (31%)
- Green (80%)
- Blue (80%)



- Red (31%)
- Yellow (56%)
- Blue (80%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (69%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1590, 49.7759, 65.4595 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 36.1590, 49.7759, 65.4595 by changing the saturation by 10% instead.

36.1590, 49.7759,
65.4595

36.1590, 49.7759,
65.4595

321.0741,
385.7889, 462.7927

24.7277, 35.2354,
47.3801

68.5997, 89.8428,
114.3298

16.0019, 23.8442,
32.9797

90.3398, 116.1379,
145.9578

9.6164, 15.2181,
21.8399

116.2468,
147.1199, 182.9390

5.2057, 8.9726,
13.5421

146.6862,
183.1734, 225.6920

2.4044, 4.7233,
7.6678

182.0233,
224.6827, 274.6353

0.8473, 2.0859,
3.7984

222.6234,

0.0000, 0.6567,

272.0321, 330.1875

1.5154

268.8519,
325.6060, 392.7671

■ 0.0000, 0.0000,
0.2294

■ 0.0000, 0.0000,
0.0000

■ 36.1590, 49.7759,
65.4595

■ 36.1590, 49.7759,
65.4595

■ 34.6854, 49.0174,
65.3915

■ 38.1635, 50.8104,
65.5546

■ 33.6885, 48.5035,
65.3446

■ 40.7379, 52.1375,
65.6753

■ 33.1106, 48.2055,
65.3174

■ 43.9228, 53.7794,
65.8245

■ 32.8516, 48.0720,
65.3051

■ 47.7537, 55.7543,
66.0040

■ 52.2635, 58.0791,
66.2153

■ 57.4827, 60.7698,
66.4597

■ 63.4403, 63.8410,
66.7387

■ 70.1633, 67.3068,
67.0536

■ 74.0921, 69.3322,
67.2376

Harmonies

Analogous

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



35.9803, 49.7759, 46.3387



36.1590, 49.7759, 65.4595



39.1411, 49.7759, 85.3391

Triad

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



36.1590, 49.7759, 65.4595



57.2056, 49.7759, 83.0916



50.2582, 49.7759, 25.9145

Complementary

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



36.1590, 49.7759, 65.4595



29.4951, 19.2971, 9.7611

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.



56.5442, 49.7759, 31.7364



36.1590, 49.7759, 65.4595



60.7998, 49.7759, 62.8981

Square

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



36.1590, 49.7759, 65.4595



51.0948, 49.7759, 97.0325



60.5471, 49.7759, 44.3075



43.7178, 49.7759, 26.2912

Rectangle

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



36.1590, 49.7759, 65.4595



42.4900, 49.7759, 95.0384



60.5471, 49.7759, 44.3075



52.4824, 49.7759, 27.1410

Sweetspot

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



36.1605, 49.7778, 65.4607



80.1327, 92.3099, 108.2013



26.7678, 46.0413, 15.0667



16.7124, 19.5317, 23.1389



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.



36.1605, 49.7778, 65.4607



56.2532, 79.9995, 107.0819



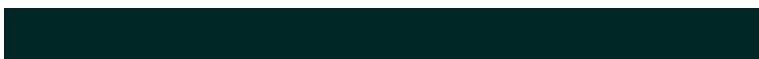
24.3912, 26.2388, 61.5387



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6534



1.0550, 1.5438, 2.0973

Inverse Universe

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



29.4951, 19.2971, 9.7611



44.4285, 25.9257, 8.2688



36.0657, 32.4384, 11.9510



11.2124, 11.2137, 11.6530



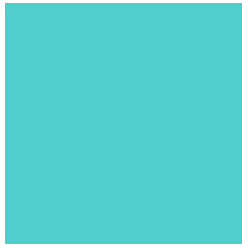
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 36.1590, 49.7759, 65.4595 looks on a white background.

Color Contrast Check

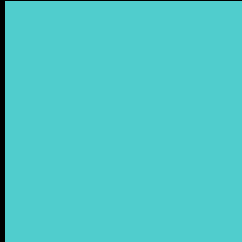
Large Text (above 18pt) WCAG AA × Fail

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 36.1590, 49.7759, 65.4595 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

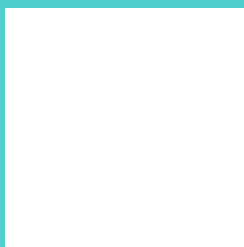
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1590, 49.7759, 65.4595

Background



This preview shows how black text looks on a background with the XYZ color 36.1590, 49.7759, 65.4595.

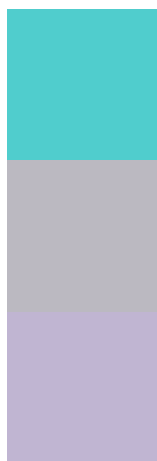


This preview shows how white text looks on a background with the XYZ color 36.1590, 49.7759,

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

36.1590, 49.7759, 65.4595

Protanopia

47.4681, 49.1130, 57.4300

Deuteranopia

49.8950, 48.9074, 67.7831



Tritanopia

37.9799, 49.8048, 74.6294

Trichromacy



Original Color

36.1590, 49.7759, 65.4595

Protanomaly

41.1404, 48.0264, 59.9250

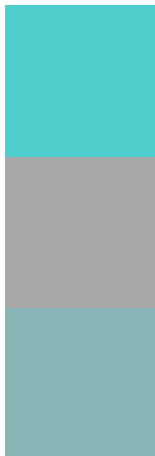
Deuteranomaly

42.5611, 47.9603, 66.6886

Tritanomaly

37.3866, 49.9256, 71.2844

Monochromacy



Original Color

36.1590, 49.7759, 65.4595

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.0177, 41.6182, 49.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1590, 49.7759, 65.4595 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(80, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(80, 205, 205)  
}
```

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(80, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.1590, 49.7759, 65.4595 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(80, 205, 205) }
```


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

```
.border{ border-color:rgb(80, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(80, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1590, 49.7759, 65.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 205, 205) }
```

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

```
.background{ background-color: rgb(80, 205,  
205) }
```

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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