

Converting Colors

XYZ(36.1088, 48.9122, 83.8838)

Have a look what the booklet for
XYZ(36.1088, 48.9122, 83.8838)
contains.

XYZ(36.1584, 49.0119, 83.8984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.1584, 49.0119,
83.8984)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCE8
RGB	0, 204, 232
RGB Percent	0%, 80%, 91%
CMY	0.9997, 0.2000, 0.0902
CMYK	1.00, 0.12, 0.00, 0.09
HSL	187°, 100%, 46%
HSV	187°, 100%, 91%
XYZ	36.1584, 49.0119, 83.8984
YIQ	146.1960, -130.5720, -34.5400

Conversions

Conversions Part 2

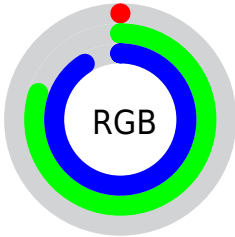
Format	Color
RYB	0, 109, 232
Decimal	52456
CIELab	75.46, -31.93, -25.67
CIELCh	75, 40.965, 218.800
Yxy	49.0119, 0.2139, 0.2899
Android (android.graphics.Color)	4278242536 (0xFF00CCE8)
YUV	146.1960, 42.3014, -128.2139
Hunter-Lab	70.0085, -30.3221, -22.0474

Details

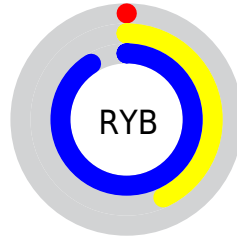
The XYZ color **36.1584, 49.0119, 83.8984** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **33.6963, 17.9899, 1.6984**, and the grayscale version is **27.2812, 28.7019, 31.2564**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **18.5839, 24.6295, 44.8488** is the 20% darker color. If you saturate the color by 10%, you get **36.1572, 49.0093, 83.8989**, and if you desaturate by 10%, it is **37.1904, 50.5420, 84.1403**.

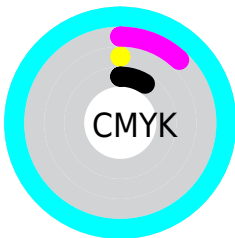
Distribution



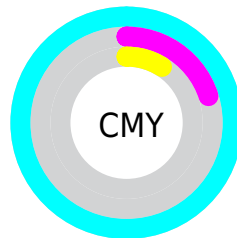
- Red (0%)
- Green (80%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1584, 49.0119, 83.8984 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 36.1584, 49.0119, 83.8984 by changing the saturation by 10% instead.

36.1584, 49.0119,
83.8984

36.1584, 49.0119,
83.8984

321.0715,
382.7892, 528.0250

24.7272, 34.6289,
62.3867

68.5988, 88.7091,
140.6935

16.0016, 23.3772,
44.9074

90.3387, 114.7922,
176.8139

9.6161, 14.8723,
31.0421

116.2455,
145.5440, 218.6410

5.2055, 8.7298,
20.3722

146.6847,
181.3491, 266.5933

2.4043, 4.5653,
12.4791

182.0215,
222.5917, 321.0893

0.8473, 1.9946,
6.9444

222.6213,

0.0000, 0.6043,

269.6563, 382.5475

3.3494

268.8496,
322.9274, 451.3866

■ 0.0000, 0.0000,
1.2757

■ 0.0000, 0.0000,
0.0417

■ 36.1584, 49.0119,
83.8984

■ 36.1584, 49.0119,
83.8984

■ 36.1572, 49.0093,
83.8989

■ 37.1904, 50.5420,
84.1403

■ 38.6625, 52.3159,
84.4051

■ 40.7124, 54.4056,
84.7004

■ 43.4194, 56.8521,
85.0300

■ 46.8503, 59.6899,
85.3969

■ 51.0636, 62.9493,
85.8040

■ 56.1117, 66.6574,
86.2536

■ 62.0426, 70.8389,
86.7481

■ 68.9004, 75.5168,
87.2896

Harmonies

Analogous

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



33.6564, 49.0119, 59.9843



36.1584, 49.0119, 83.8984



41.5275, 49.0119, 102.2910

Triad

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



36.1584, 49.0119, 83.8984



61.4777, 49.0119, 69.8633



44.3979, 49.0119, 21.9134

Complementary

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



36.1584, 49.0119, 83.8984



33.6963, 17.9899, 1.6984

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.



52.0358, 49.0119, 23.2233



36.1584, 49.0119, 83.8984



62.4598, 49.0119, 47.2527

Square

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



36.1584, 49.0119, 83.8984



56.2893, 49.0119, 92.7841



58.8434, 49.0119, 31.3171



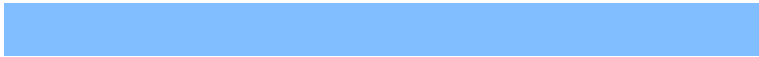
38.0644, 49.0119, 27.0719

Rectangle

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



36.1584, 49.0119, 83.8984



46.2808, 49.0119, 106.6817



58.8434, 49.0119, 31.3171



46.8892, 49.0119, 21.6491

Sweetspot

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



36.1600, 49.0137, 83.8996



69.4094, 82.5129, 106.8761



29.0571, 57.7941, 10.6686



14.2629, 17.2303, 22.8240



0.0000, 0.0000, 0.0000



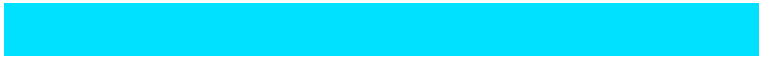
20.3446, 21.4041, 23.3091

Same Dimension

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



36.1600, 49.0137, 83.8996



44.7639, 60.6479, 103.9546



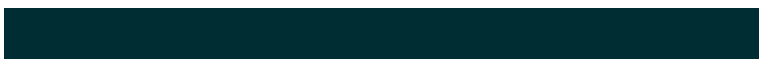
18.1369, 12.9675, 77.8919



14.6512, 16.0237, 18.4650



20.1350, 27.3321, 46.5976



1.5300, 2.1039, 3.4574

Inverse Universe

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



44.1792, 21.5173, 58.9531



54.7240, 26.6536, 72.9356



43.1160, 36.8292, 4.8383



14.9163, 14.5837, 17.7594



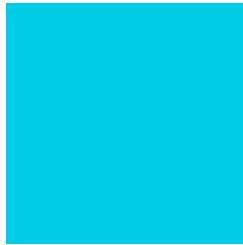
24.5567, 11.9569, 32.8903



1.8359, 0.8921, 2.5423

Previews

White Background



This preview shows how the XYZ color 36.1584, 49.0119, 83.8984 looks on a white background.

Color Contrast Check

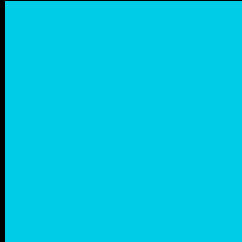
Large Text (above 18pt) WCAG AA × Fail

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 36.1584, 49.0119, 83.8984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

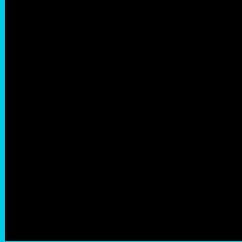
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1584, 49.0119, 83.8984

Background



This preview shows how black text looks on a background with the XYZ color 36.1584, 49.0119, 83.8984.



This preview shows how white text looks on a background with the XYZ color 36.1584, 49.0119,

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

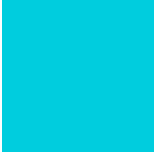
36.1584, 49.0119, 83.8984

Protanopia

47.8180, 48.3417, 72.4562

Deuteranopia

49.4891, 48.2761, 86.8306



Tritanopia

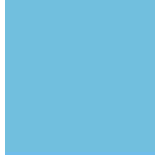
35.0161, 48.9366, 76.7074

Trichromacy



Original Color

36.1584, 49.0119, 83.8984



Protanomaly

38.6257, 46.0462, 75.9593



Deuteranomaly

39.7485, 45.7729, 85.3373



Tritanomaly

35.5588, 49.1536, 79.5650

Monochromacy



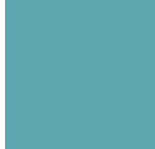
Original Color

36.1584, 49.0119, 83.8984



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.2687, 33.1389, 46.6069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1584, 49.0119, 83.8984 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(0, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 232)  
}
```

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(0, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 36.1584, 49.0119, 83.8984 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(0, 204, 232) }
```


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

```
.border{ border-color:rgb(0, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1584, 49.0119, 83.8984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 232) }
```

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

```
.background{ background-color: rgb(0, 204,  
232) }
```

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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