

Converting Colors

XYZ(36.1618, 50.9804, 76.3468)

Have a look what the booklet for
XYZ(36.1618, 50.9804, 76.3468)
contains.

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Color

**XYZ(36.1609, 50.9808,
76.3410)**

Conversions

Conversions Part 1

Format	Color
Hex	15D1DD
RGB	21, 209, 221
RGB Percent	8%, 82%, 87%
CMY	0.9175, 0.1804, 0.1333
CMYK	0.90, 0.05, 0.00, 0.13
HSL	184°, 83%, 47%
HSV	184°, 90%, 87%
XYZ	36.1609, 50.9808, 76.3410
YIQ	154.1560, -115.9000, -36.1240

Conversions

Conversions Part 2

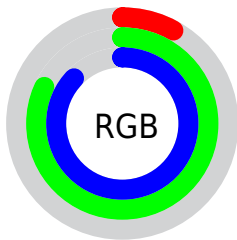
Format	Color
RYB	21, 118, 221
Decimal	1429981
CIELab	76.67, -37.13, -17.90
CIELCh	77, 41.219, 205.746
Yxy	50.9808, 0.2212, 0.3118
Android (android.graphics.Color)	4279620061 (0xFF15D1DD)
YUV	154.1560, 32.9541, -116.7778
Hunter-Lab	71.4008, -34.5503, -13.4116

Details

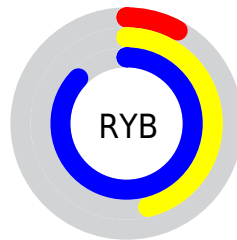
The XYZ color **36.1609, 50.9808, 76.3410** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **30.4997, 16.5162, 2.2916**, and the grayscale version is **30.6851, 32.2831, 35.1563**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **18.4385, 25.8644, 40.0969** is the 20% darker color. If you saturate the color by 10%, you get **35.5440, 50.2059, 76.2249**, and if you desaturate by 10%, it is **37.1811, 51.9928, 76.4835**.

Distribution



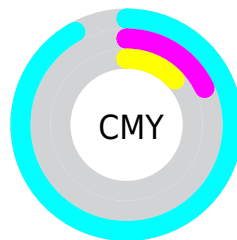
- Red (8%)
- Green (82%)
- Blue (87%)



- Red (8%)
- Yellow (46%)
- Blue (87%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)





- Cyan (92%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1609, 50.9808, 76.3410 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 36.1609, 50.9808, 76.3410 by changing the saturation by 10% instead.


 36.1609, 50.9808,
76.3410


 36.1609, 50.9808,
76.3410


321.0822,
390.4892, 501.8921


 24.7292, 36.1933,
56.2038


 68.6026, 91.6264,
129.9733


 16.0030, 24.5835,
39.9613


 90.3433, 118.2533,
164.3056


 9.6172, 15.7671,
27.1948


 116.2510,
149.5955, 204.2066

 5.2062, 9.3595,
17.4858

 146.6910,
186.0373, 250.0949

 2.4047, 4.9764,
10.4159

 182.0288,
227.9632, 302.3890

 0.8475, 2.2334,
5.5664

222.6297,

 0.0000, 0.7381,

275.7576, 361.5076

2.5188

268.8591,
329.8048, 427.8691

■ 0.0000, 0.0000,
0.8501

■ 0.0000, 0.0000,
0.0000

■ 36.1609, 50.9808,
76.3410

■ 36.1609, 50.9808,
76.3410

■ 35.5440, 50.2059,
76.2249

■ 37.1811, 51.9928,
76.4835

■ 38.7042, 53.2670,
76.6492

■ 40.8027, 54.8419,
76.8426

■ 43.5361, 56.7482,
77.0665

■ 46.9566, 59.0127,
77.3233

■ 51.1109, 61.6596,
77.6152

■ 56.0416, 64.7108,
77.9443

■ 61.7882, 68.1867,
78.3123

■ 68.3872, 72.1061,
78.7210

Harmonies

Analogous

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



34.9827, 50.9808, 52.3834



36.1609, 50.9808, 76.3410



40.4932, 50.9808, 99.1301

Triad

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



36.1609, 50.9808, 76.3410



61.9425, 50.9808, 83.3722



49.5769, 50.9808, 22.7432

Complementary

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



36.1609, 50.9808, 76.3410



30.4997, 16.5162, 2.2916

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.



57.3991, 50.9808, 27.0331



36.1609, 50.9808, 76.3410



65.0077, 50.9808, 58.7574

Square

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



36.1609, 50.9808, 76.3410



55.2684, 50.9808, 103.8950



63.2624, 50.9808, 38.8606



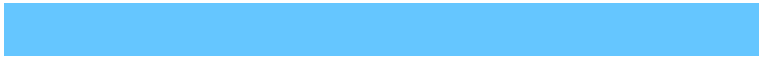
42.2272, 50.9808, 25.1082

Rectangle

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



36.1609, 50.9808, 76.3410



44.8553, 50.9808, 108.4281



63.2624, 50.9808, 38.8606



52.2439, 50.9808, 23.4140

Sweetspot

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



36.1625, 50.9827, 76.3422



72.7924, 86.5903, 107.4848



26.4146, 51.9725, 9.9381



15.1062, 18.2376, 22.9740



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.



36.1625, 50.9827, 76.3422



49.1216, 69.3633, 105.4072



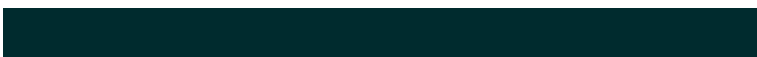
19.0479, 16.7536, 70.6374



13.3745, 14.6887, 16.7824



20.6780, 29.2254, 44.2896



1.3604, 1.9348, 2.8762

Inverse Universe

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



41.5970, 20.5136, 62.0906



56.9235, 27.5334, 84.5184



38.0734, 31.6637, 4.8162



13.5789, 13.2607, 16.3096



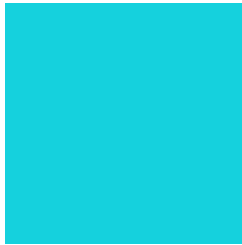
23.9326, 11.5741, 35.6209



1.5609, 0.7540, 2.3628

Previews

White Background



This preview shows how the XYZ color 36.1609, 50.9808, 76.3410 looks on a white background.

Color Contrast Check

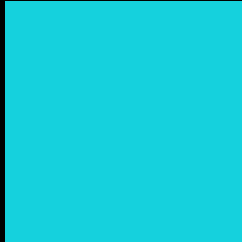
Large Text (above 18pt) WCAG AA × Fail

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 36.1609, 50.9808, 76.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

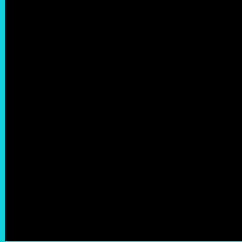
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

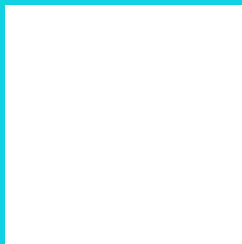
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1609, 50.9808, 76.3410

Background



This preview shows how black text looks on a background with the XYZ color 36.1609, 50.9808, 76.3410.

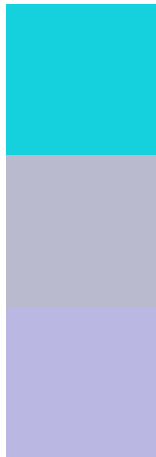


This preview shows how white text looks on a background with the XYZ color 36.1609, 50.9808,

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

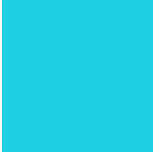
36.1609, 50.9808, 76.3410

Protanopia

48.7071, 49.8883, 65.4548

Deuteranopia

51.0483, 49.8521, 79.6049



Tritanopia

36.6819, 50.8240, 79.1108

Trichromacy



Original Color

36.1609, 50.9808, 76.3410



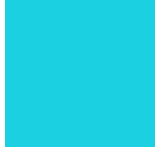
Protanomaly

39.5071, 47.6467, 68.7425



Deuteranomaly

41.0444, 47.5711, 78.2530



Tritanomaly

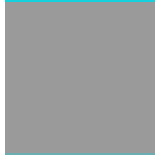
36.4624, 50.7266, 78.3904

Monochromacy



Original Color

36.1609, 50.9808, 76.3410



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.1158, 36.5506, 47.6399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1609, 50.9808, 76.3410 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(21, 209, 221)` looks like.

```
.text, #text, p{  
    color:rgb(21, 209, 221)  
}
```

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(21, 209, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 209, 221) }
```

Border

The CSS property to change the border of an element to XYZ 36.1609, 50.9808, 76.3410 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(21, 209, 221) }
```


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

```
.border{ border-color:rgb(21, 209, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 209, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 209, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 209, 221);  
box-shadow:4px 4px 4px 4px rgb(21, 209,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1609, 50.9808, 76.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 209, 221) }
```

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

```
.background{ background-color: rgb(21, 209,  
221) }
```

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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