

Converting Colors

XYZ(36.5766, 53.2172, 72.0985)

Have a look what the booklet for
XYZ(36.5766, 53.2172, 72.0985)
contains.

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Color

**XYZ(36.5150, 53.1187,
71.9467)**

Conversions

Conversions Part 1

Format	Color
Hex	16D6D6
RGB	22, 214, 214
RGB Percent	9%, 84%, 84%
CMY	0.9136, 0.1608, 0.1608
CMYK	0.90, 0.00, 0.00, 0.16
HSL	180°, 81%, 46%
HSV	180°, 90%, 84%
XYZ	36.5150, 53.1187, 71.9467
YIQ	156.5920, -114.4320, -40.7040

Conversions

Conversions Part 2

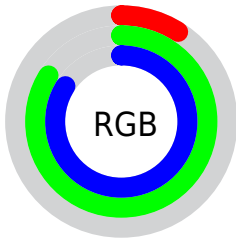
Format	Color
R _Y B	22, 118, 214
Decimal	1496790
CIE Lab	77.95, -41.46, -12.23
CIE LCh	78, 43.220, 196.431
Yxy	53.1187, 0.2260, 0.3287
Android (android.graphics.Color)	4279686870 (0xFF16D6D6)
YUV	156.5920, 28.3021, -118.0372
Hunter-Lab	72.8826, -38.1140, -7.5109

Details

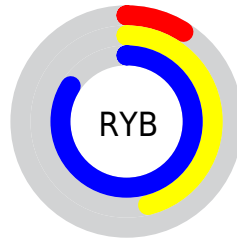
The XYZ color **36.5150, 53.1187, 71.9467** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.1650, 14.9295, 2.1578**, and the grayscale version is **31.7829, 33.4380, 36.4140**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **18.4849, 26.9569, 37.0298** is the 20% darker color. If you saturate the color by 10%, you get **36.1930, 52.9538, 71.9327**, and if you desaturate by 10%, it is **37.1995, 53.4727, 71.9801**.

Distribution



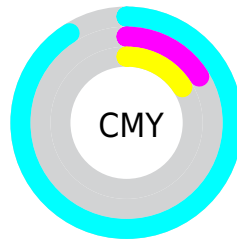
- Red (9%)
- Green (84%)
- Blue (84%)



- Red (9%)
- Yellow (46%)
- Blue (84%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (91%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5150, 53.1187, 71.9467 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 36.5150, 53.1187, 71.9467 by changing the saturation by 10% instead.

 36.5150, 53.1187,
71.9467


 36.5150, 53.1187,
71.9467


322.5981,
398.7404, 486.3286


 25.0042, 37.8975,
52.6286


 69.1449, 94.7790,
123.6878


 16.2089, 25.9032,
37.1206


 90.9947, 121.9869,
156.9478


 9.7639, 16.7512,
25.0044

 117.0215,
153.9593, 195.6922

 5.3037, 10.0573,
15.8613

 147.5906,
191.0804, 240.3395

 2.4631, 5.4369,
9.2728

 183.0675,
233.7346, 291.3082

 0.8767, 2.5058,
4.8203

223.8175,

 0.0000, 0.8796,

282.3064, 349.0170

2.0853

270.2059,
337.1802, 413.8843

■ 0.0000, 0.0000,
0.6070

■ 0.0000, 0.0000,
0.0000

■ 36.5150, 53.1187,
71.9467

■ 36.5150, 53.1187,
71.9467

■ 36.1930, 52.9538,
71.9327

■ 37.1995, 53.4727,
71.9801

■ 36.1851, 52.9498,
71.9323

■ 38.3538, 54.0678,
72.0342

■ 40.0441, 54.9391,
72.1134

■ 42.3246, 56.1148,
72.2203

■ 45.2430, 57.6193,
72.3570

■ 48.8422, 59.4747,
72.5255

■ 53.1613, 61.7013,
72.7278

■ 58.2364, 64.3176,
72.9654

■ 64.1013, 67.3411,
73.2400

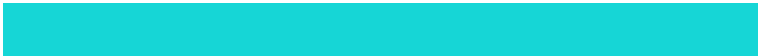
Harmonies

Analogous

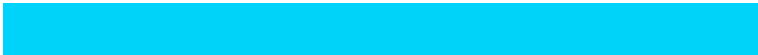
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3469, 53.1187, 47.6407



36.5150, 53.1187, 71.9467



40.1451, 53.1187, 98.2862

Triad

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



36.5150, 53.1187, 71.9467



63.1300, 53.1187, 95.9759



54.3763, 53.1187, 23.4954

Complementary

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



36.5150, 53.1187, 71.9467



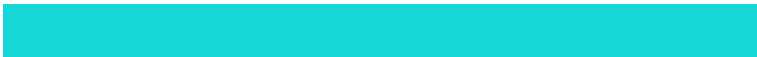
28.1650, 14.9295, 2.1578

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.



62.4697, 53.1187, 30.3592



36.5150, 53.1187, 71.9467



67.8896, 53.1187, 69.3938

Square

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



36.5150, 53.1187, 71.9467



55.2000, 53.1187, 114.5804



67.6353, 53.1187, 45.7047



46.0516, 53.1187, 23.8253

Rectangle

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



36.5150, 53.1187, 71.9467



44.2956, 53.1187, 111.4988



67.6353, 53.1187, 45.7047



57.2316, 53.1187, 24.9335

Sweetspot

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



36.5166, 53.1207, 71.9480



74.0961, 89.1979, 107.9189



24.5990, 48.3623, 8.7988



15.4201, 18.8654, 23.0785



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.



36.5166, 53.1207, 71.9480



53.8097, 78.7399, 106.9682



19.3330, 18.7532, 66.2211



12.7922, 14.1079, 15.9864



21.8708, 32.0037, 43.4771



1.3191, 1.9303, 2.6223

Inverse Universe

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



28.1650, 14.9295, 2.1578



41.2400, 21.2600, 1.9301



33.9873, 26.5742, 4.0985



12.4233, 12.4208, 12.9034



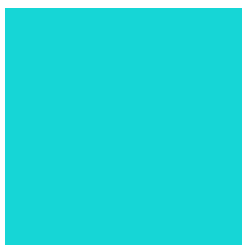
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 36.5150, 53.1187, 71.9467 looks on a white background.

Color Contrast Check

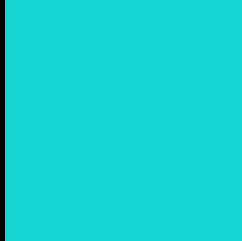
Large Text (above 18pt) WCAG AA × Fail

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 36.5150, 53.1187, 71.9467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

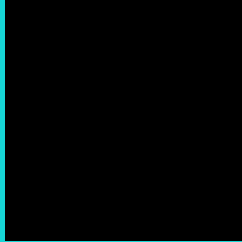
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

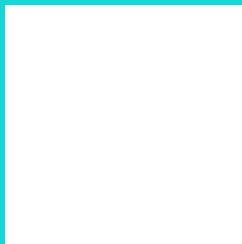
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5150, 53.1187, 71.9467

Background



This preview shows how black text looks on a background with the XYZ color 36.5150, 53.1187, 71.9467.

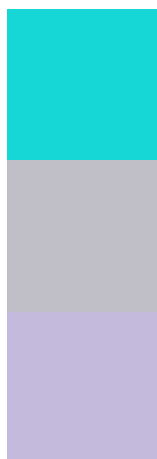


This preview shows how white text looks on a background with the XYZ color 36.5150, 53.1187,

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

36.5150, 53.1187, 71.9467

Protanopia

50.4605, 52.1569, 61.4406

Deuteranopia

53.2421, 52.0209, 74.9450



Tritanopia

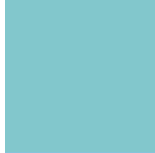
38.6826, 53.2577, 82.3697

Trichromacy



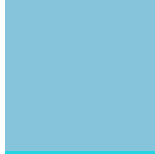
Original Color

36.5150, 53.1187, 71.9467



Protanomaly

40.5284, 49.9523, 64.6324



Deuteranomaly

42.0677, 49.5284, 73.6724



Tritanomaly

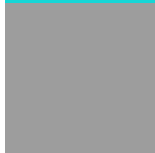
37.9419, 53.3276, 78.8145

Monochromacy



Original Color

36.5150, 53.1187, 71.9467



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.1406, 38.2433, 47.9126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5150, 53.1187, 71.9467 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(22, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(22, 214, 214)  
}
```

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(22, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 36.5150, 53.1187, 71.9467 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(22, 214, 214) }
```


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

```
.border{ border-color:rgb(22, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(22, 214,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5150, 53.1187, 71.9467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 214, 214) }
```

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

```
.background{ background-color: rgb(22, 214,  
214) }
```

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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