

Converting Colors

XYZ(36.2494, 50.1384, 77.4806)

Have a look what the booklet for
XYZ(36.2494, 50.1384, 77.4806)
contains.

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Color

**XYZ(36.3597, 50.3284,
77.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	24CFDF
RGB	36, 207, 223
RGB Percent	14%, 81%, 87%
CMY	0.8587, 0.1882, 0.1255
CMYK	0.84, 0.07, 0.00, 0.13
HSL	185°, 75%, 51%
HSV	185°, 84%, 87%
XYZ	36.3597, 50.3284, 77.6100
YIQ	157.6950, -107.0520, -31.2760

Conversions

Conversions Part 2

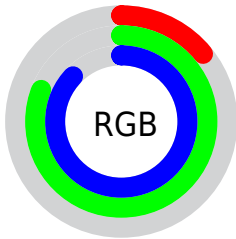
Format	Color
RYB	36, 125, 223
Decimal	2412511
CIELab	76.27, -34.75, -19.57
CIELCh	76, 39.883, 209.383
Yxy	50.3284, 0.2213, 0.3063
Android (android.graphics.Color)	4280602591 (0xFF24CFDF)
YUV	157.6950, 32.1954, -106.7265
Hunter-Lab	70.9425, -32.6640, -15.2026

Details

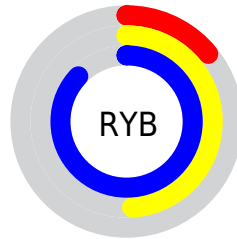
The XYZ color **36.3597, 50.3284, 77.6100** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.9795, 18.2735, 3.5125**, and the grayscale version is **32.2585, 33.9384, 36.9590**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **18.2961, 25.2836, 40.9617** is the 20% darker color. If you saturate the color by 10%, you get **35.3503, 49.1269, 77.4322**, and if you desaturate by 10%, it is **37.8618, 51.7942, 77.8147**.

Distribution



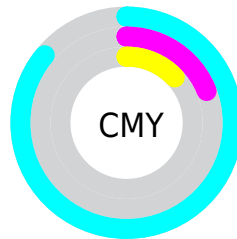
- Red (14%)
- Green (81%)
- Blue (87%)



- Red (14%)
- Yellow (49%)
- Blue (87%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (86%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3597, 50.3284, 77.6100 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 36.3597, 50.3284, 77.6100 by changing the saturation by 10% instead.


 36.3597, 50.3284,
77.6100


 36.3597, 50.3284,
77.6100


321.9339,
387.9488, 506.3341

 24.8835, 35.6744,
57.2391


 68.9071, 90.6613,
131.7811


 16.1186, 24.1828,
40.7866


 90.7091, 117.1089,
166.4183


 9.6995, 15.4693,
27.8339


 116.6837,
148.2566, 206.6481

 5.2609, 9.1494,
17.9626

 147.1963,
184.4886, 252.8890

 2.4375, 4.8388,
10.7540

 182.6123,
226.1895, 305.5595

 0.8638, 2.1530,
5.7896

223.2970,

 0.0000, 0.6942,

273.7435, 365.0782

2.6508

269.6157,
327.5352, 431.8635

■ 0.0000, 0.0000,
0.9185

■ 0.0000, 0.0000,
0.0000

■ 36.3597, 50.3284,
77.6100

■ 36.3597, 50.3284,
77.6100

■ 35.3503, 49.1269,
77.4322

■ 37.8618, 51.7942,
77.8147

■ 34.8935, 48.4758,
77.3306

■ 39.9298, 53.5591,
78.0464

■ 42.6297, 55.6580,
78.3092

■ 46.0171, 58.1198,
78.6058

■ 50.1413, 60.9698,
78.9386

■ 55.0474, 64.2313,
79.3095

■ 60.7765, 67.9255,
79.7206

■ 67.3671, 72.0724,
80.1737

■ 74.8551, 76.6904,
80.6704

Harmonies

Analogous

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



34.8402, 50.3284, 54.3562



36.3597, 50.3284, 77.6100



40.8742, 50.3284, 98.4707

Triad

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



36.3597, 50.3284, 77.6100



61.3199, 50.3284, 78.5840



47.9908, 50.3284, 23.0549

Complementary

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



36.3597, 50.3284, 77.6100



31.9795, 18.2735, 3.5125

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.



55.5457, 50.3284, 26.4323



36.3597, 50.3284, 77.6100



63.7170, 50.3284, 55.2443

Square

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



36.3597, 50.3284, 77.6100



55.2495, 50.3284, 99.1285



61.5030, 50.3284, 36.9628



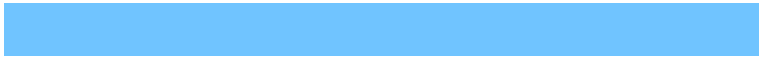
41.1165, 50.3284, 26.1601

Rectangle

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



36.3597, 50.3284, 77.6100



45.2328, 50.3284, 106.1099



61.5030, 50.3284, 36.9628



50.5364, 50.3284, 23.4520

Sweetspot

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



36.3613, 50.3302, 77.6112



73.6433, 86.4178, 107.4066



27.7273, 53.3959, 12.0473



15.2435, 18.1539, 22.9506



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.



36.3613, 50.3302, 77.6112



47.2403, 65.6006, 104.7801



20.0572, 17.7221, 72.1765



14.0110, 15.3612, 17.6142



20.5581, 28.5857, 45.4824



1.4549, 2.0413, 3.1626

Inverse Universe

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



42.3262, 21.4564, 60.9439



55.9739, 27.1536, 79.5177



40.8903, 36.0950, 6.4827



14.2418, 13.9143, 17.0434



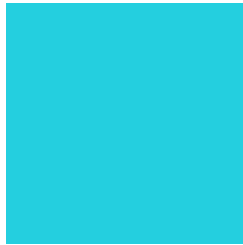
24.3170, 11.7938, 34.6645



1.7006, 0.8235, 2.4823

Previews

White Background



This preview shows how the XYZ color 36.3597, 50.3284, 77.6100 looks on a white background.

Color Contrast Check

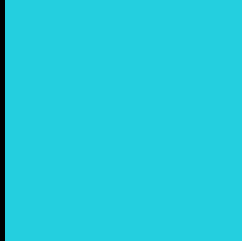
Large Text (above 18pt) WCAG AA × Fail

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 36.3597, 50.3284, 77.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

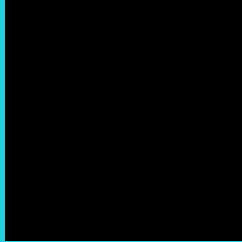
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

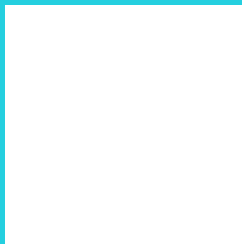
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3597, 50.3284, 77.6100

Background



This preview shows how black text looks on a background with the XYZ color 36.3597, 50.3284, 77.6100.

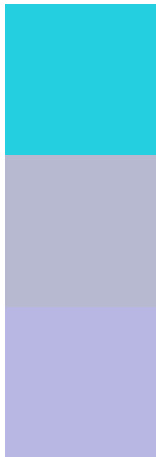


This preview shows how white text looks on a background with the XYZ color 36.3597, 50.3284,

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

36.3597, 50.3284, 77.6100

Protanopia

48.3860, 49.3687, 67.3005

Deuteranopia

50.7042, 49.6588, 80.3115



Tritanopia

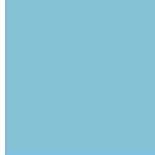
36.5303, 50.4008, 78.3240

Trichromacy



Original Color

36.3597, 50.3284, 77.6100



Protanomaly

40.4135, 47.7408, 70.7032



Deuteranomaly

41.7830, 47.9361, 79.0019



Tritanomaly

36.5303, 50.4008, 78.3240

Monochromacy



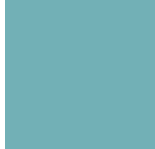
Original Color

36.3597, 50.3284, 77.6100



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.9083, 38.0055, 49.9627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3597, 50.3284, 77.6100 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(36, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(36, 207, 223)  
}
```

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(36, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 207, 223) }
```

Border

The CSS property to change the border of an element to XYZ 36.3597, 50.3284, 77.6100 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(36, 207, 223) }
```


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

```
.border{ border-color:rgb(36, 207, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 207, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(36, 207,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3597, 50.3284, 77.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 207, 223) }
```

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

```
.background{ background-color: rgb(36, 207,  
223) }
```

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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