

Converting Colors

XYZ(34.5732, 51.4812, 60.8386)

Have a look what the booklet for
XYZ(34.5732, 51.4812, 60.8386)
contains.

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Color

**XYZ(34.6602, 51.6537,
60.9667)**

Conversions

Conversions Part 1

Format	Color
Hex	2CD4C5
RGB	44, 212, 197
RGB Percent	17%, 83%, 77%
CMY	0.8274, 0.1686, 0.2274
CMYK	0.79, 0.00, 0.07, 0.17
HSL	175°, 66%, 50%
HSV	175°, 79%, 83%
XYZ	34.6602, 51.6537, 60.9667
YIQ	160.0580, -95.3130, -40.2810

Conversions

Conversions Part 2

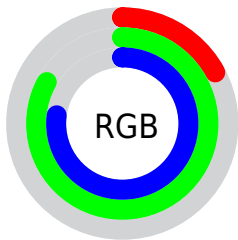
Format	Color
R _Y B	44, 132, 212
Decimal	2938053
CIE Lab	77.07, -43.96, -4.37
CIE LCh	77, 44.176, 185.681
Yxy	51.6537, 0.2353, 0.3507
Android (android.graphics.Color)	4281128133 (0xFF2CD4C5)
YUV	160.0580, 18.2124, -101.7829
Hunter-Lab	71.8705, -39.6902, 0.0145

Details

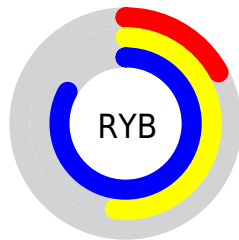
The XYZ color **34.6602, 51.6537, 60.9667** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.8432, 16.1156, 5.7298**, and the grayscale version is **33.3926, 35.1316, 38.2583**.

A 20% lighter version of the original color is **61.3951, 82.6688, 106.4867**, and **16.8464, 25.7601, 30.0709** is the 20% darker color. If you saturate the color by 10%, you get **33.7559, 51.2136, 59.8001**, and if you desaturate by 10%, it is **36.0349, 52.3383, 62.1719**.

Distribution



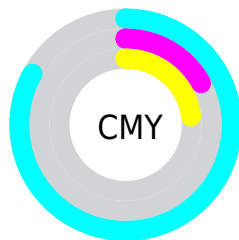
- Red (17%)
- Green (83%)
- Blue (77%)



- Red (17%)
- Yellow (52%)
- Blue (83%)



- Cyan (79%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)





- Cyan (83%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6602, 51.6537, 60.9667 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 34.6602, 51.6537, 60.9667 by changing the saturation by 10% instead.


 34.6602, 51.6537,
60.9667


 34.6602, 51.6537,
60.9667


314.6003,
393.0982, 446.0551


 23.5665, 36.7291,
43.7679


 66.2965, 92.6203,
107.7878


 15.1354, 24.9978,
30.1522


 87.5699, 119.4312,
138.2472


 9.0014, 16.0754,
19.7011


 112.9672,
150.9729, 173.9638

 4.7992, 9.5775,
11.9961

 142.8538,
187.6298, 215.3563

 2.1635, 5.1198,
6.6185

 177.5950,
229.7864, 262.8431

 0.7234, 2.3177,
3.1499

217.5563,

 0.0000, 0.7831,

277.8271, 316.8428

1.1717

263.1029,
332.1363, 377.7739

■ 0.0000, 0.0000,
0.0000

■ 34.6602, 51.6537,
60.9667

■ 34.6602, 51.6537,
60.9667

■ 33.7559, 51.2136,
59.8001

■ 36.0349, 52.3383,
62.1719

■ 33.2141, 50.9589,
58.6635

■ 37.9377, 53.2937,
63.4148

■ 33.1779, 50.9421,
58.5780

■ 40.4231, 54.5491,
64.6994

■ 43.5372, 56.1283,
66.0278

■ 47.3217, 58.0528,
67.4020

■ 51.8149, 60.3423,
68.8238

■ 57.0518, 63.0149,
70.2949

■ 63.0654, 66.0876,
71.8170

■ 69.8865, 69.5762,
73.3915

Harmonies

Analogous

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



35.7492, 51.6537, 39.2005



34.6602, 51.6537, 60.9667



37.0645, 51.6537, 87.9177

Triad

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



34.6602, 51.6537, 60.9667



59.1758, 51.6537, 103.0369



56.0818, 51.6537, 23.6452

Complementary

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



34.6602, 51.6537, 60.9667



28.8432, 16.1156, 5.7298

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.



63.4827, 51.6537, 33.2670



34.6602, 51.6537, 60.9667



65.4075, 51.6537, 77.6208

Square

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



34.6602, 51.6537, 60.9667



50.7184, 51.6537, 116.2806



67.0672, 51.6537, 51.7681



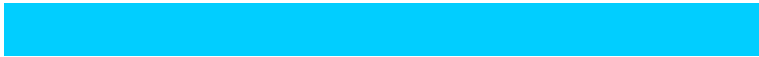
47.5072, 51.6537, 21.5269

Rectangle

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



34.6602, 51.6537, 60.9667



40.5072, 51.6537, 103.9883



67.0672, 51.6537, 51.7681



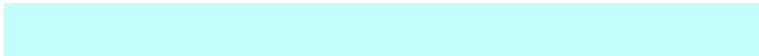
58.8187, 51.6537, 25.9407

Sweetspot

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



34.6617, 51.6557, 60.9679



75.1393, 89.8359, 103.4403



25.9119, 48.2567, 10.3327



15.5724, 18.9686, 21.9751



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.



34.6617, 51.6557, 60.9679



50.6828, 77.5079, 89.6552



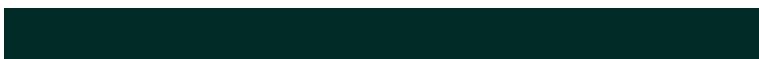
23.0191, 25.4810, 65.9947



12.7421, 14.0879, 15.7225



20.5009, 31.4557, 36.2631



1.2509, 1.9030, 2.2627

Inverse Universe

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



28.8432, 16.1156, 5.7298



41.6750, 21.6592, 3.5266



33.3143, 25.5937, 5.5681



12.4678, 12.4386, 13.1379



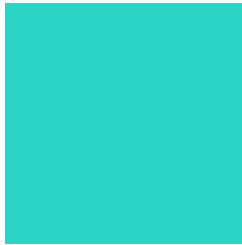
16.8500, 8.6763, 1.2482



1.0322, 0.5297, 0.1590

Previews

White Background



This preview shows how the XYZ color 34.6602, 51.6537, 60.9667 looks on a white background.

Color Contrast Check

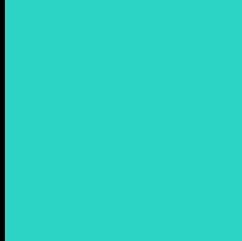
Large Text (above 18pt) WCAG AA × Fail

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 34.6602, 51.6537, 60.9667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

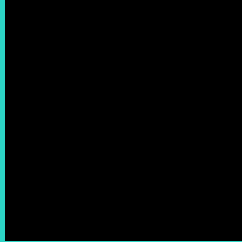
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

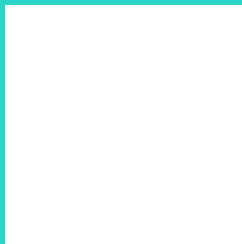
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6602, 51.6537, 60.9667

Background



This preview shows how black text looks on a background with the XYZ color 34.6602, 51.6537, 60.9667.

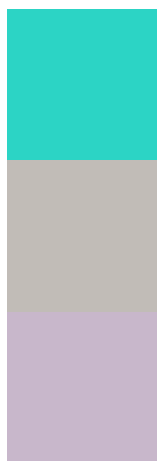


This preview shows how white text looks on a background with the XYZ color 34.6602, 51.6537,

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

34.6602, 51.6537, 60.9667

Protanopia

48.5228, 50.7228, 52.0328

Deuteranopia

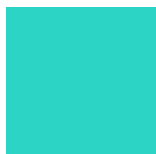
51.5324, 50.4581, 63.5233



Tritanopia

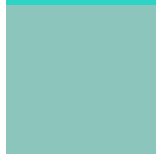
38.3265, 51.6718, 79.1878

Trichromacy



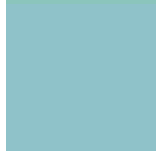
Original Color

34.6602, 51.6537, 60.9667



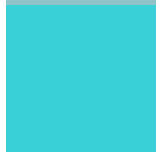
Protanomaly

39.6908, 49.0523, 54.9531



Deuteranomaly

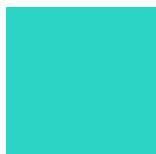
41.1621, 48.6403, 62.4774



Tritanomaly

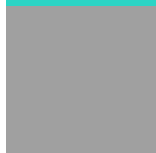
36.7535, 51.3771, 72.2696

Monochromacy



Original Color

34.6602, 51.6537, 60.9667



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.1341, 39.1089, 45.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6602, 51.6537, 60.9667 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(44, 212, 197)` looks like.

```
.text, #text, p{  
    color:rgb(44, 212, 197)  
}
```

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(44, 212, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 212, 197) }
```

Border

The CSS property to change the border of an element to XYZ 34.6602, 51.6537, 60.9667 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(44, 212, 197) }
```


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

```
.border{ border-color:rgb(44, 212, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 212, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 212, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 212, 197);  
box-shadow:4px 4px 4px 4px rgb(44, 212,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6602, 51.6537, 60.9667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 212, 197) }
```

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

```
.background{ background-color: rgb(44, 212,  
197) }
```

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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