

Converting Colors

XYZ(35.9928, 53.0902, 57.8113)

Have a look what the booklet for
XYZ(35.9928, 53.0902, 57.8113)
contains.

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Color

**XYZ(35.9763, 53.1568,
57.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	46D6BF
RGB	70, 214, 191
RGB Percent	27%, 84%, 75%
CMY	0.7255, 0.1608, 0.2510
CMYK	0.67, 0.00, 0.11, 0.16
HSL	170°, 64%, 56%
HSV	170°, 67%, 84%
XYZ	35.9763, 53.1568, 57.6544
YIQ	168.3220, -78.4410, -37.6810

Conversions

Conversions Part 2

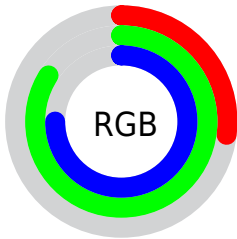
Format	Color
RYB	70, 148, 214
Decimal	4642495
CIELab	77.97, -43.35, 0.21
CIELCh	78, 43.349, 179.723
Yxy	53.1568, 0.2451, 0.3621
Android (android.graphics.Color)	4282832575 (0xFF46D6BF)
YUV	168.3220, 11.1803, -86.2284
Hunter-Lab	72.9087, -39.5106, 4.1510

Details

The XYZ color **35.9763, 53.1568, 57.6544** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **31.8992, 19.4682, 12.4342**, and the grayscale version is **37.3536, 39.2989, 42.7965**.

A 20% lighter version of the original color is **62.5402, 83.3863, 100.7946**, and **16.8143, 26.2887, 28.2328** is the 20% darker color. If you saturate the color by 10%, you get **34.3274, 52.3510, 55.6373**, and if you desaturate by 10%, it is **38.1869, 54.2537, 59.7460**.

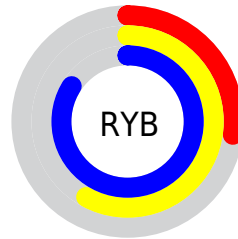
Distribution



Red (27%)

Green (84%)

Blue (75%)



Red (27%)

Yellow (58%)

Blue (84%)

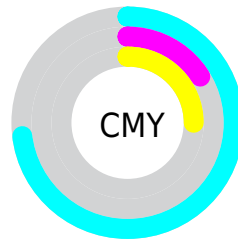


Cyan (67%)

Magenta (0%)

Yellow (11%)

Black (16%)



Cyan (73%)


Magenta (16%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9763, 53.1568, 57.6544 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 35.9763, 53.1568, 57.6544 by changing the saturation by 10% instead.


 35.9763, 53.1568,
57.6544


 35.9763, 53.1568,
57.6544


320.2900,
398.8864, 433.4592

 24.5859, 37.9280,
41.1180


 68.3196, 94.8351,
102.9292


 15.8959, 25.9268,
28.0909


 90.0032, 122.0533,
132.5047

 9.5409, 16.7689,
18.1546


 115.8486,
154.0367, 167.2637

 5.1556, 10.0698,
10.8904

 146.2212,
191.1698, 207.6246

 2.3745, 5.4453,
5.8800

181.4862,
233.8369, 254.0061

 0.8324, 2.5108,
2.7046

222.0092,

 0.0000, 0.8820,

282.4225, 306.8267

0.9458

268.1553,
337.3108, 366.5048

■ 0.0000, 0.0000,
0.0000

■ 35.9763, 53.1568,
57.6544

■ 35.9763, 53.1568,
57.6544

■ 34.3274, 52.3510,
55.6373

■ 38.1869, 54.2537,
59.7460

■ 33.1739, 51.7983,
53.6877

■ 41.0071, 55.6626,
61.9112

■ 32.4346, 51.4581,
51.8027

■ 44.4849, 57.4094,
64.1535

■ 32.2672, 51.3828,
51.3007

■ 48.6622, 59.5158,
66.4753

■ 53.5774, 62.0016,
68.8787

■ 59.2661, 64.8851,
71.3657

■ 65.7616, 68.1834,
73.9380

■ 73.0951, 71.9127,
76.5975

■ 78.4411, 74.6163,
79.2121

Harmonies

Analogous

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



37.7696, 53.1568, 37.4729



35.9763, 53.1568, 57.6544



37.7050, 53.1568, 84.1041

Triad

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



35.9763, 53.1568, 57.6544



59.0013, 53.1568, 108.3259



59.1521, 53.1568, 26.3138

Complementary

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



35.9763, 53.1568, 57.6544



31.8992, 19.4682, 12.4342

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.



65.9616, 53.1568, 37.7648



35.9763, 53.1568, 57.6544



65.8680, 53.1568, 84.6042

Square

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



35.9763, 53.1568, 57.6544



50.4456, 53.1568, 117.8758



68.5438, 53.1568, 58.1036



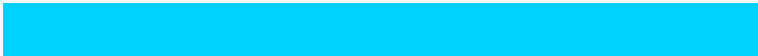
50.6024, 53.1568, 22.7423

Rectangle

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



35.9763, 53.1568, 57.6544



40.7456, 53.1568, 101.0510



68.5438, 53.1568, 58.1036



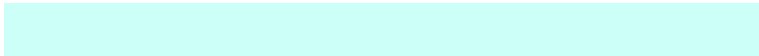
61.7536, 53.1568, 29.1771

Sweetspot

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



35.9778, 53.1589, 57.6557



77.4277, 91.0637, 101.3733



29.7698, 50.9171, 14.0543



16.1241, 19.2645, 21.4804



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.



35.9778, 53.1589, 57.6557



50.1859, 77.4336, 81.4128



28.3013, 33.4315, 68.5819



12.7030, 14.0722, 15.5164



19.5350, 31.0693, 31.1765



1.2016, 1.8833, 2.0035

Inverse Universe

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



31.8992, 19.4682, 12.4342



43.8174, 24.0117, 10.1974



35.3173, 27.6970, 9.2800



12.5033, 12.4528, 13.3249



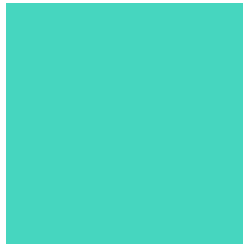
16.9631, 8.7216, 1.8440



1.0489, 0.5364, 0.2471

Previews

White Background



This preview shows how the XYZ color 35.9763, 53.1568, 57.6544 looks on a white background.

Color Contrast Check

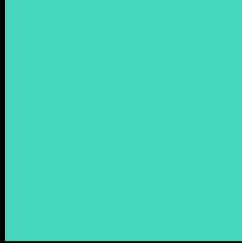
Large Text (above 18pt) WCAG AA × Fail

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 35.9763, 53.1568, 57.6544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

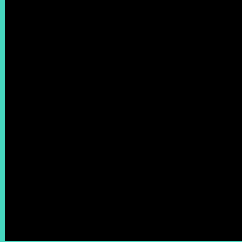
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

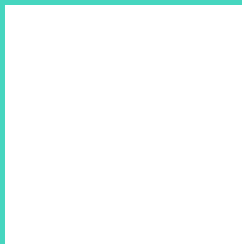
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9763, 53.1568, 57.6544

Background



This preview shows how black text looks on a background with the XYZ color 35.9763, 53.1568, 57.6544.

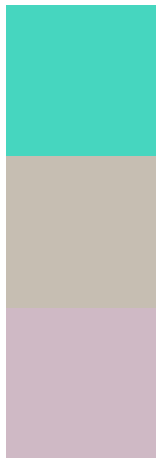


This preview shows how white text looks on a background with the XYZ color 35.9763, 53.1568,

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

35.9763, 53.1568, 57.6544

Protanopia

49.7380, 52.0470, 49.5441

Deuteranopia

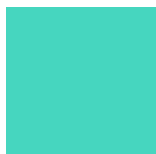
53.1591, 51.9945, 60.0575



Tritanopia

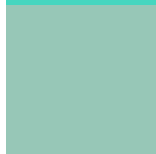
40.4584, 53.1182, 80.0720

Trichromacy



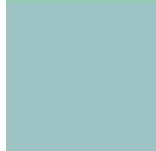
Original Color

35.9763, 53.1568, 57.6544



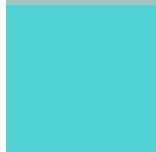
Protanomaly

41.7332, 50.8451, 52.4143



Deuteranomaly

43.4949, 50.5881, 59.1018



Tritanomaly

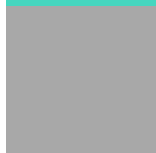
38.6978, 53.1420, 71.1686

Monochromacy



Original Color

35.9763, 53.1568, 57.6544



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.7012, 42.7380, 47.4946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9763, 53.1568, 57.6544 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(70, 214, 191)` looks like.

```
.text, #text, p{  
    color:rgb(70, 214, 191)  
}
```

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(70, 214, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 214, 191) }
```

Border

The CSS property to change the border of an element to XYZ 35.9763, 53.1568, 57.6544 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(70, 214, 191) }
```


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

```
.border{ border-color:rgb(70, 214, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 214, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 214, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 214, 191);  
box-shadow:4px 4px 4px 4px rgb(70, 214,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9763, 53.1568, 57.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 214, 191) }
```

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

```
.background{ background-color: rgb(70, 214,  
191) }
```

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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