

Converting Colors

XYZ(35.8420, 51.5393, 50.2839)

Have a look what the booklet for
XYZ(35.8420, 51.5393, 50.2839)
contains.

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Color

**XYZ(35.7661, 51.3567,
50.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	61D1B2
RGB	97, 209, 178
RGB Percent	38%, 82%, 70%
CMY	0.6196, 0.1804, 0.3020
CMYK	0.54, 0.00, 0.15, 0.18
HSL	163°, 55%, 60%
HSV	163°, 54%, 82%
XYZ	35.7661, 51.3567, 50.1472
YIQ	171.9780, -56.8010, -33.3850

Conversions

Conversions Part 2

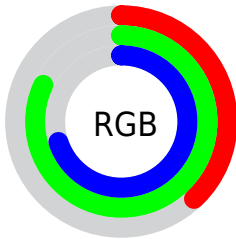
Format	Color
RYB	97, 162, 209
Decimal	6410674
CIELab	76.89, -39.43, 5.71
CIElCh	77, 39.841, 171.758
Yxy	51.3567, 0.2606, 0.3741
Android (android.graphics.Color)	4284600754 (0xFF61D1B2)
YUV	171.9780, 2.9688, -65.7557
Hunter-Lab	71.6636, -36.3249, 8.6758

Details

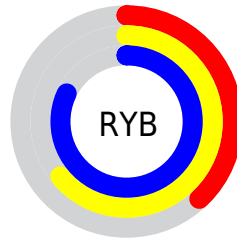
The XYZ color **35.7661, 51.3567, 50.1472** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.4672, 23.6645, 23.1751**, and the grayscale version is **39.2088, 41.2507, 44.9220**.

A 20% lighter version of the original color is **64.1289, 84.4291, 90.7584**, and **15.7640, 24.8531, 23.3683** is the 20% darker color. If you saturate the color by 10%, you get **33.2572, 50.1303, 47.0620**, and if you desaturate by 10%, it is **38.8889, 52.8993, 53.3913**.

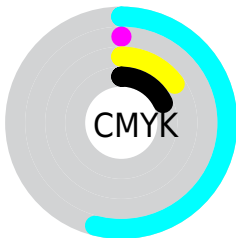
Distribution



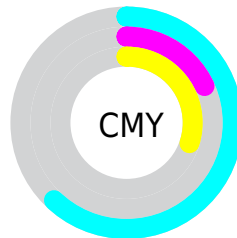
- Red (38%)
- Green (82%)
- Blue (70%)



- Red (38%)
- Yellow (64%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7661, 51.3567, 50.1472 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 35.7661, 51.3567, 50.1472 by changing the saturation by 10% instead.


 35.7661, 51.3567,
50.1472


 35.7661, 51.3567,
50.1472


319.3862,
391.9481, 403.9929

 24.4229, 36.4926,
35.1584


 67.9971, 92.1818,
91.7915


 15.7740, 24.8149,
23.5004


 89.6156, 118.9116,
119.2840

 9.4542, 15.9392,
14.7546


 115.3900,
150.3654, 151.7815

 5.0981, 9.4811,
8.5027

 145.6855,
186.9275, 189.7026

 2.3403, 5.0563,
4.3259

180.8675,
228.9825, 233.4657

 0.8152, 2.2803,
1.8058

221.3013,

 0.0000, 0.7633,

276.9146, 283.4894

0.4318

267.3525,
331.1084, 340.1923

■ 0.0000, 0.0000,
0.0000

■ 35.7661, 51.3567,
50.1472

■ 35.7661, 51.3567,
50.1472

■ 33.2572, 50.1303,
47.0620

■ 38.8889, 52.8993,
53.3913

■ 31.3106, 49.1897,
44.1283

■ 42.6637, 54.7739,
56.7942

■ 29.8729, 48.5087,
41.3433

■ 47.1304, 57.0022,
60.3604

■ 28.8780, 48.0533,
38.7021

■ 52.3243, 59.6026,
64.0931

■ 28.3995, 47.8420,
37.0800

■ 58.2785, 62.5919,
67.9952

■ 65.0238, 65.9860,
72.0697

■ 72.5895, 69.8000,
76.3192

■ 77.5345, 72.2600,
80.5842

■ 78.3340, 72.5798,
84.7946

Harmonies

Analogous

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



38.2401, 51.3567, 33.8616



35.7661, 51.3567, 50.1472



36.4923, 51.3567, 72.8574

Triad

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



35.7661, 51.3567, 50.1472



54.4158, 51.3567, 104.3192



58.3990, 51.3567, 29.1303

Complementary

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



35.7661, 51.3567, 50.1472



34.4672, 23.6645, 23.1751

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.



63.6349, 51.3567, 41.8327



35.7661, 51.3567, 50.1472



61.1745, 51.3567, 85.9302

Square

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



35.7661, 51.3567, 50.1472



46.7538, 51.3567, 108.2187



64.6999, 51.3567, 62.1169



50.9318, 51.3567, 23.9528

Rectangle

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



35.7661, 51.3567, 50.1472



38.7305, 51.3567, 88.5682



64.6999, 51.3567, 62.1169



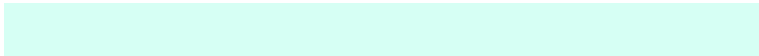
60.5091, 51.3567, 32.4772

Sweetspot

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



35.7675, 51.3587, 50.1484



79.8345, 92.3601, 98.9740



33.9725, 51.1124, 19.3852



16.7178, 19.5835, 20.9220



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.



35.7675, 51.3587, 50.1484



51.7648, 78.4295, 73.2690



33.7332, 41.7332, 66.6014



12.0129, 13.3489, 14.4246



17.5532, 29.5142, 23.0912



1.0141, 1.6633, 1.4631

Inverse Universe

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



34.4672, 23.6645, 23.1751



49.5634, 30.6851, 26.9678



35.3236, 28.1595, 14.8836



11.9413, 11.8613, 12.9666



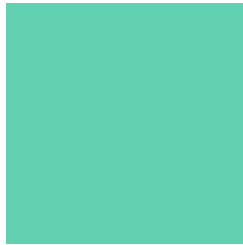
16.7172, 8.5597, 3.4168



0.9686, 0.4922, 0.3695

Previews

White Background



This preview shows how the XYZ color 35.7661, 51.3567, 50.1472 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 35.7661, 51.3567, 50.1472 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

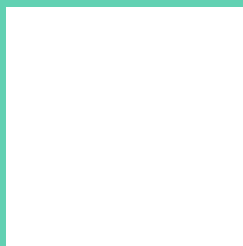
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7661, 51.3567, 50.1472

Background



This preview shows how black text looks on a background with the XYZ color 35.7661, 51.3567, 50.1472.

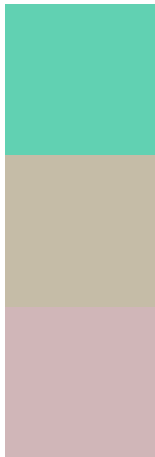


This preview shows how white text looks on a background with the XYZ color 35.7661, 51.3567,

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

35.7661, 51.3567, 50.1472

Protanopia

47.9842, 50.6268, 43.8021

Deuteranopia

51.3921, 50.3265, 52.3527



Tritanopia

40.7046, 51.1942, 75.4463

Trichromacy



Original Color

35.7661, 51.3567, 50.1472



Protanomaly

41.7886, 49.9972, 45.9760



Deuteranomaly

43.4416, 49.4015, 51.5018



Tritanomaly

38.6765, 51.0737, 65.5773

Monochromacy



Original Color

35.7661, 51.3567, 50.1472



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6660, 43.7737, 46.5611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7661, 51.3567, 50.1472 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(97, 209, 178)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 178)  
}
```

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(97, 209, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 178) }
```

Border

The CSS property to change the border of an element to XYZ 35.7661, 51.3567, 50.1472 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(97, 209, 178) }
```


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

```
.border{ border-color:rgb(97, 209, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 209, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 209, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 209, 178);  
box-shadow:4px 4px 4px 4px rgb(97, 209,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7661, 51.3567, 50.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 209, 178) }
```

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

```
.background{ background-color: rgb(97, 209,  
178) }
```

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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