

Converting Colors

XYZ(45.3266, 60.7132, 96.9596)

Have a look what the booklet for
XYZ(45.3266, 60.7132, 96.9596)
contains.

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Color

**XYZ(45.3562, 60.6146,
97.3050)**

Conversions

Conversions Part 1

Format	Color
Hex	41DFF7
RGB	65, 223, 247
RGB Percent	25%, 87%, 97%
CMY	0.7450, 0.1255, 0.0314
CMYK	0.74, 0.10, 0.00, 0.03
HSL	188°, 92%, 61%
HSV	188°, 74%, 97%
XYZ	45.3562, 60.6146, 97.3050
YIQ	178.4940, -101.8720, -26.0320

Conversions

Conversions Part 2

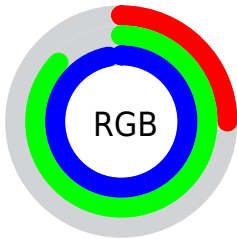
Format	Color
R _{YB}	65, 150, 247
Decimal	4317175
CIE _{Lab}	82.17, -32.43, -23.38
CIE _{LCh}	82, 39.979, 215.795
Yxy	60.6146, 0.2231, 0.2982
Android (android.graphics.Color)	4282507255 (0xFF41DFF7)
YUV	178.4940, 33.7735, -99.5342
Hunter-Lab	77.8554, -32.2582, -19.6029

Details

The XYZ color **45.3562, 60.6146, 97.3050** 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 **42.8862, 27.3030, 8.0128**, and the grayscale version is **42.4467, 44.6572, 48.6317**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **23.2227, 31.3990, 54.1269** is the 20% darker color. If you saturate the color by 10%, you get **43.2026, 58.2261, 96.9586**, and if you desaturate by 10%, it is **48.2446, 63.4092, 97.6933**.

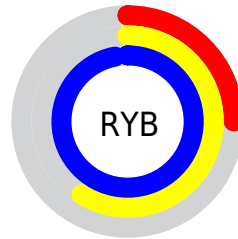
Distribution



Red (25%)

Green (87%)

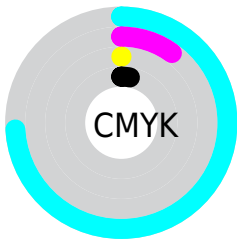
Blue (97%)



Red (25%)

Yellow (59%)

Blue (97%)

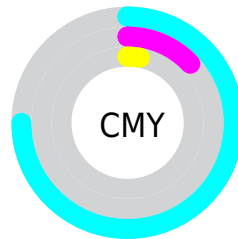


Cyan (74%)

Magenta (10%)

Yellow (0%)

Black (3%)



Cyan (75%)

Magenta (13%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3562, 60.6146, 97.3050 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 45.3562, 60.6146, 97.3050 by changing the saturation by 10% instead.


 45.3562, 60.6146,
97.3050


 45.3562, 60.6146,
97.3050


358.9737,
426.8595, 572.6899


 31.9406, 43.9142,
73.4475


 82.4884, 105.7207,
159.4681


 21.4714, 30.6031,
53.8479


 106.9358,
134.8952, 198.6107

 13.5835, 20.2968,
38.0877


 135.7910,
168.9966, 243.6855

 7.9113, 12.6110,
25.7484

 169.4196,
208.4091, 295.1109

 4.0896, 7.1612,
16.4114

208.1867,
253.5173, 353.3055

 1.7529, 3.5631,
9.6583

252.4579,

 0.4891, 1.4323,

304.7055, 418.6879

5.0703

302.5985,
362.3581, 491.6765

■ 0.0000, 0.2404,
2.2291

■ 0.0000, 0.0000,
0.6911

■ 45.3562, 60.6146,
97.3050

■ 45.3562, 60.6146,
97.3050

■ 43.2026, 58.2261,
96.9586

■ 48.2446, 63.4092,
97.6933

■ 41.6772, 56.1849,
96.6450

■ 51.9448, 66.6461,
98.1231

■ 40.9443, 55.0265,
96.4601

■ 56.5304, 70.3646,
98.5991

■ 62.0649, 74.5975,
99.1245

68.6059, 79.3746,
99.7018

76.2065, 84.7236,
100.3337

84.9159, 90.6698,
101.0223

91.9231, 95.7642,
101.6364

92.9389, 97.7959,
101.9750

Harmonies

Analogous

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



42.8454, 60.6146, 70.8343



45.3562, 60.6146, 97.3050



51.1731, 60.6146, 118.5036

Triad

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



45.3562, 60.6146, 97.3050



73.8267, 60.6146, 87.0907



55.9793, 60.6146, 29.5484

Complementary

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



45.3562, 60.6146, 97.3050



42.8862, 27.3030, 8.0128

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.



64.5703, 60.6146, 31.8732



45.3562, 60.6146, 97.3050



75.4335, 60.6146, 61.3889

Square

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



45.3562, 60.6146, 97.3050



67.7008, 60.6146, 111.6641



71.8986, 60.6146, 42.2506



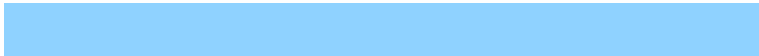
48.5795, 60.6146, 34.8689

Rectangle

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



45.3562, 60.6146, 97.3050



56.4232, 60.6146, 124.4897



71.8986, 60.6146, 42.2506



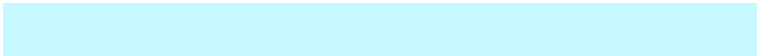
58.8181, 60.6146, 29.4822

Sweetspot

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



45.3581, 60.6168, 97.3065



75.0219, 86.2389, 107.2994



37.1317, 68.3226, 20.0866



15.6144, 18.1414, 22.9286



0.0000, 0.0000, 0.0000



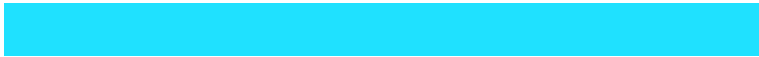
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3581, 60.6168, 97.3065



45.6390, 61.5769, 104.0878



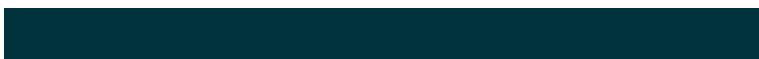
27.6023, 25.1052, 91.3879



16.7994, 18.3631, 21.2016



21.7294, 29.2525, 51.0391



1.9605, 2.6725, 4.5027

Inverse Universe

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



53.5691, 28.8845, 72.5661



55.3661, 27.6778, 73.9512



55.0823, 51.6952, 12.0781



17.1141, 16.7285, 20.3473



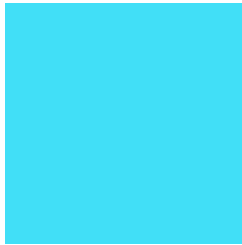
26.7725, 13.0524, 35.1059



2.3786, 1.1574, 3.2203

Previews

White Background



This preview shows how the XYZ color 45.3562, 60.6146, 97.3050 looks on a white background.

Color Contrast Check

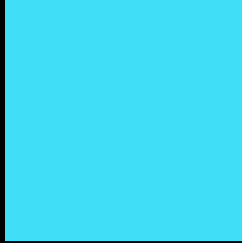
Large Text (above 18pt) WCAG AA × Fail

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 45.3562, 60.6146, 97.3050 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 45.3562, 60.6146, 97.3050

Background



This preview shows how black text looks on a background with the XYZ color 45.3562, 60.6146, 97.3050.

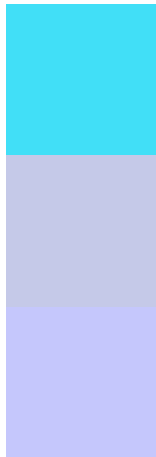


This preview shows how white text looks on a background with the XYZ color 45.3562, 60.6146,

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

45.3562, 60.6146, 97.3050

Protanopia

58.4781, 59.4698, 84.7406

Deuteranopia

61.0201, 59.7454, 100.4114



Tritanopia

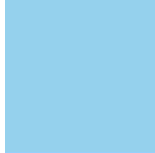
44.6071, 60.7142, 93.3724

Trichromacy



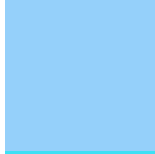
Original Color

45.3562, 60.6146, 97.3050



Protanomaly

50.4810, 58.1049, 88.6755



Deuteranomaly

52.2056, 58.4034, 98.9639



Tritanomaly

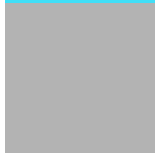
44.9714, 60.8671, 94.9662

Monochromacy



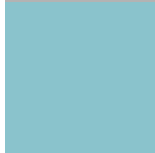
Original Color

45.3562, 60.6146, 97.3050



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.8954, 48.7931, 64.3893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3562, 60.6146, 97.3050 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(65, 223, 247)` looks like.

```
.text, #text, p{  
    color:rgb(65, 223, 247)  
}
```

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(65, 223, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 223, 247) }
```

Border

The CSS property to change the border of an element to XYZ 45.3562, 60.6146, 97.3050 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(65, 223, 247) }
```


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

```
.border{ border-color:rgb(65, 223, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 223, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 223, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 223, 247);  
box-shadow:4px 4px 4px 4px rgb(65, 223,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3562, 60.6146, 97.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 223, 247) }
```

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

```
.background{ background-color: rgb(65, 223,  
247) }
```

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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