

Converting Colors

XYZ(45.5334, 67.2253, 65.2195)

Have a look what the booklet for
XYZ(45.5334, 67.2253, 65.2195)
contains.

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Color

**XYZ(45.5334, 67.2253,
65.2195)**

Conversions

Conversions Part 1

Format	Color
Hex	60EDC8
RGB	96, 237, 200
RGB Percent	38%, 93%, 78%
CMY	0.6235, 0.0706, 0.2157
CMYK	0.59, 0.00, 0.16, 0.07
HSL	164°, 80%, 65%
HSV	164°, 59%, 93%
XYZ	45.5334, 67.2253, 65.2195
YIQ	190.6230, -72.1590, -41.3990

Conversions

Conversions Part 2

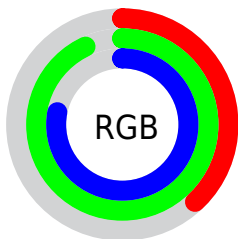
Format	Color
RYB	96, 177, 237
Decimal	6352328
CIELab	85.62, -46.78, 6.61
CIElCh	86, 47.240, 171.955
Yxy	67.2253, 0.2558, 0.3777
Android (android.graphics.Color)	4284542408 (0xFF60EDC8)
YUV	190.6230, 4.6229, -82.9844
Hunter-Lab	81.9910, -44.3550, 10.2317

Details

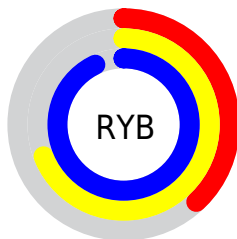
The XYZ color **45.5334, 67.2253, 65.2195** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **43.3438, 28.0655, 25.3256**, and the grayscale version is **49.3088, 51.8767, 56.4937**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.5221, 34.7243, 32.7623** is the 20% darker color. If you saturate the color by 10%, you get **42.6937, 65.8454, 61.3700**, and if you desaturate by 10%, it is **49.1578, 69.0097, 69.2630**.

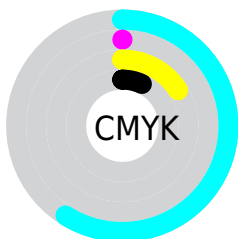
Distribution



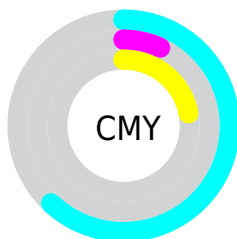
- Red (38%)
- Green (93%)
- Blue (78%)



- Red (38%)
- Yellow (69%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)





- Cyan (62%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5334, 67.2253, 65.2195 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 45.5334, 67.2253, 65.2195 by changing the saturation by 10% instead.


 45.5334, 67.2253,
65.2195


 45.5334, 67.2253,
65.2195


359.6770,
450.7463, 461.9081


 32.0808, 49.2677,
47.1866


 82.7524, 115.2432,
113.9817

 21.5791, 34.8319,
32.8278


 107.2496,
146.0723, 145.5480

 13.6628, 23.5334,
21.7245


 136.1590,
181.9607, 182.4626

 7.9667, 14.9879,
13.4582

 169.8460,
223.2929, 225.1440

 4.1252, 8.8109,
7.6104

208.6759,
270.4531, 274.0107

 1.7732, 4.6180,
3.7625

253.0142,

 0.5015, 2.0249,

323.8258, 329.4813

1.4960

303.2261,
383.7954, 391.9742

■ 0.0000, 0.6219,
0.2149

■ 0.0000, 0.0000,
0.0000

■ 45.5334, 67.2253,
65.2195

■ 45.5334, 67.2253,
65.2195

■ 42.6937, 65.8454,
61.3700

■ 49.1578, 69.0097,
69.2630

■ 40.5630, 64.8258,
57.7048


■ 53.6228, 71.2224,
73.5006


■ 39.0596, 64.1264,
54.2198


■ 58.9857, 73.8944,
77.9381


■ 38.0504, 63.6784,
50.9067

■ 65.2969, 77.0517,
82.5797


 38.0043, 63.6582,
50.7426

 72.6031, 80.7184,
87.4291

 80.9478, 84.9169,
92.4901

 87.7846, 88.3344,
97.6452

 88.7429, 88.7177,
102.6915

 89.5753, 89.0507,
107.0751

Harmonies

Analogous

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



48.9581, 67.2253, 42.4354



45.5334, 67.2253, 65.2195



46.5751, 67.2253, 97.6405

Triad

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



45.5334, 67.2253, 65.2195



71.9411, 67.2253, 142.9892



77.5021, 67.2253, 35.7689

Complementary

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



45.5334, 67.2253, 65.2195



43.3438, 28.0655, 25.3256

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.



85.0522, 67.2253, 53.2166



45.5334, 67.2253, 65.2195



81.5990, 67.2253, 116.0851

Square

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



45.5334, 67.2253, 65.2195



61.0458, 67.2253, 148.8676



86.6300, 67.2253, 81.7997



66.8328, 67.2253, 28.8299

Rectangle

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



45.5334, 67.2253, 65.2195



49.7212, 67.2253, 120.3449



86.6300, 67.2253, 81.7997



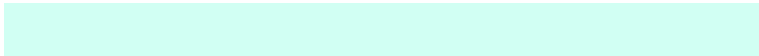
80.5363, 67.2253, 40.3198

Sweetspot

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



45.5353, 67.2279, 65.2211



78.2536, 91.5582, 98.3061



42.1655, 66.4512, 21.6716



16.2476, 19.3457, 20.6913



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.



45.5353, 67.2279, 65.2211



49.9024, 77.5027, 71.6738



41.7287, 51.8370, 87.9300



15.3391, 17.0505, 18.4684



20.8049, 34.7764, 28.0015



1.6728, 2.7464, 2.4049

Inverse Universe

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



43.3438, 28.0655, 25.3256



47.1651, 27.5427, 21.0687



44.8756, 34.5253, 15.3664



15.2277, 15.1189, 16.4846



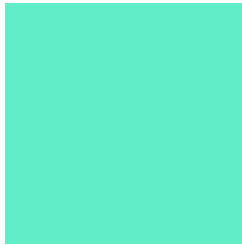
19.5913, 10.0392, 3.6490



1.5769, 0.8037, 0.4894

Previews

White Background



This preview shows how the XYZ color 45.5334, 67.2253, 65.2195 looks on a white background.

Color Contrast Check

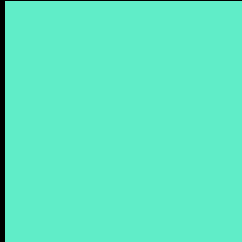
Large Text (above 18pt) WCAG AA × Fail

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 45.5334, 67.2253, 65.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

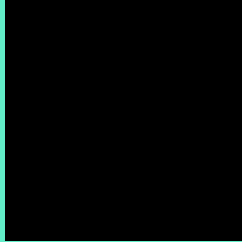
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

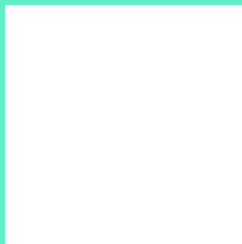
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5334, 67.2253, 65.2195

Background



This preview shows how black text looks on a background with the XYZ color 45.5334, 67.2253, 65.2195.

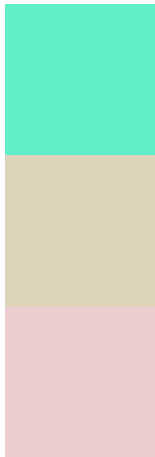


This preview shows how white text looks on a background with the XYZ color 45.5334, 67.2253,

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

45.5334, 67.2253, 65.2195

Protanopia

62.6373, 66.2044, 56.4911

Deuteranopia

67.3548, 65.8298, 68.1879



Tritanopia

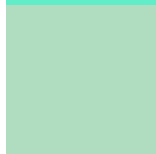
52.3351, 67.0106, 99.7985

Trichromacy



Original Color

45.5334, 67.2253, 65.2195



Protanomaly

53.2754, 64.7488, 59.5590



Deuteranomaly

55.4791, 64.1757, 66.5898



Tritanomaly

49.6261, 67.1731, 85.9514

Monochromacy



Original Color

45.5334, 67.2253, 65.2195



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.0038, 56.0747, 59.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5334, 67.2253, 65.2195 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(96, 237, 200)` looks like.

```
.text, #text, p{  
    color:rgb(96, 237, 200)  
}
```

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(96, 237, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 237, 200) }
```

Border

The CSS property to change the border of an element to XYZ 45.5334, 67.2253, 65.2195 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(96, 237, 200) }
```


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

```
.border{ border-color:rgb(96, 237, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 237, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 237, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 237, 200);  
box-shadow:4px 4px 4px 4px rgb(96, 237,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5334, 67.2253, 65.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 237, 200) }
```

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

```
.background{ background-color: rgb(96, 237,  
200) }
```

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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