

Converting Colors

XYZ(35.1064, 45.7144, 85.8624)

Have a look what the booklet for
XYZ(35.1064, 45.7144, 85.8624)
contains.

XYZ(35.0238, 45.6267, 85.5582)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.0238, 45.6267,
85.5582)**

Conversions

Conversions Part 1

Format	Color
Hex	14C4EB
RGB	20, 196, 235
RGB Percent	8%, 77%, 92%
CMY	0.9214, 0.2314, 0.0784
CMYK	0.91, 0.17, 0.00, 0.08
HSL	191°, 84%, 50%
HSV	191°, 91%, 92%
XYZ	35.0238, 45.6267, 85.5582
YIQ	147.8220, -117.4150, -25.1830

Conversions

Conversions Part 2

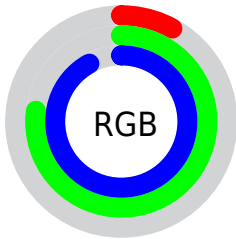
Format	Color
R_{YB}	20, 117, 235
Decimal	1361131
CIE _{Lab}	73.30, -26.46, -30.59
CIE _{LCh}	73, 40.445, 229.136
Yxy	45.6267, 0.2107, 0.2745
Android (android.graphics.Color)	4279551211 (0xFF14C4EB)
YUV	147.8220, 42.9788, -112.0999
Hunter-Lab	67.5475, -25.6549, -27.8156

Details

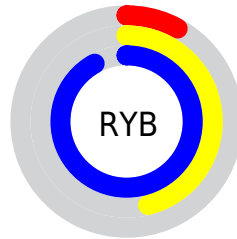
The XYZ color **35.0238, 45.6267, 85.5582** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.9539, 20.8448, 2.7921**, and the grayscale version is **27.9412, 29.3963, 32.0126**.

A 20% lighter version of the original color is **60.1147, 81.0480, 107.0832**, and **17.8097, 22.6007, 46.0715** is the 20% darker color. If you saturate the color by 10%, you get **33.9259, 43.8589, 85.2757**, and if you desaturate by 10%, it is **36.7305, 47.9554, 85.9186**.

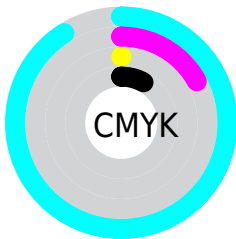
Distribution



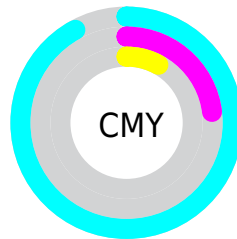
- Red (8%)
- Green (77%)
- Blue (92%)



- Red (8%)
- Yellow (46%)
- Blue (92%)



- Cyan (91%)
- Magenta (17%)
- Yellow (0%)
- Black (8%)





- Cyan (92%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0238, 45.6267, 85.5582 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 35.0238, 45.6267, 85.5582 by changing the saturation by 10% instead.


 35.0238, 45.6267,
85.5582

 35.0238, 45.6267,
85.5582

316.1795,
369.3058, 533.6660


 23.8478, 31.9513,
63.7499


 66.8564, 83.6600,
143.0339


 15.3449, 21.3243,
46.0033


 88.2438, 108.7868,
179.5384

 9.1497, 13.3613,
31.8997


 113.7656,
138.4995, 221.7786

 4.8968, 7.6778,
21.0207

 143.7873,
173.1826, 270.1732

 2.2210, 3.8895,
12.9478

 178.6741,
213.2203, 325.1408

 0.7538, 1.6119,
7.2623

218.7916,

 0.0000, 0.3656,

258.9972, 387.0997

3.5457

264.5049,
310.8975, 456.4686

■ 0.0000, 0.0000,
1.3796

■ 0.0000, 0.0000,
0.1257

■ 35.0238, 45.6267,
85.5582

■ 35.0238, 45.6267,
85.5582

■ 33.9259, 43.8589,
85.2757

■ 36.7305, 47.9554,
85.9186

■ 39.0319, 50.6307,
86.3137

■ 42.0143, 53.6983,
86.7486

■ 45.7485, 57.1950,
87.2268

■ 50.2960, 61.1529,
87.7510

■ 55.7121, 65.6007,
88.3241

■ 62.0468, 70.5645,
88.9483

■ 69.3465, 76.0686,
89.6260

■ 77.6542, 82.1355,
90.3591

Harmonies

Analogous

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



31.6918, 45.6267, 63.6501



35.0238, 45.6267, 85.5582



40.8410, 45.6267, 98.8989

Triad

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



35.0238, 45.6267, 85.5582



58.2246, 45.6267, 57.4300



39.0383, 45.6267, 21.1129

Complementary

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



35.0238, 45.6267, 85.5582



35.9539, 20.8448, 2.7921

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.



45.9947, 45.6267, 20.2974



35.0238, 45.6267, 85.5582



57.6057, 45.6267, 37.9195

Square

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



35.0238, 45.6267, 85.5582



54.5481, 45.6267, 79.9483



52.9395, 45.6267, 25.5645



33.8285, 45.6267, 28.2154

Rectangle

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



35.0238, 45.6267, 85.5582



45.5737, 45.6267, 99.2238



52.9395, 45.6267, 25.5645



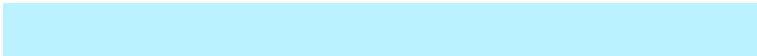
41.2324, 45.6267, 20.1847

Sweetspot

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



35.0253, 45.6283, 85.5593



70.2400, 81.4857, 106.6340



30.7085, 59.8507, 13.6580



14.4942, 17.0137, 22.7700



0.0000, 0.0000, 0.0000



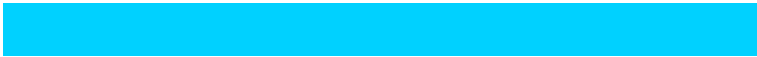
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0253, 45.6283, 85.5593



40.7861, 52.6922, 102.6287



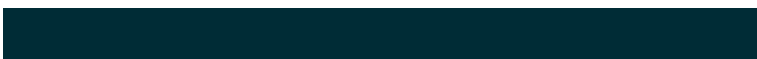
19.0854, 13.7485, 80.2460



15.2718, 16.6300, 19.3273



18.9675, 24.5820, 47.4881



1.5499, 2.0512, 3.7491

Inverse Universe

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



44.4763, 22.1497, 54.1572



52.7161, 25.8505, 62.3626



47.5469, 44.0308, 6.6564



15.5907, 15.2641, 18.3961



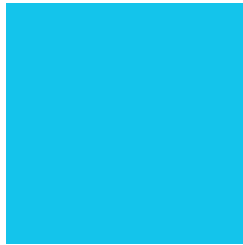
24.4292, 11.9744, 29.1253



1.9488, 0.9525, 2.4478

Previews

White Background



This preview shows how the XYZ color 35.0238, 45.6267, 85.5582 looks on a white background.

Color Contrast Check

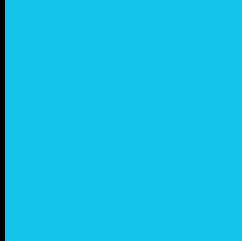
Large Text (above 18pt) WCAG AA × Fail

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 35.0238, 45.6267, 85.5582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

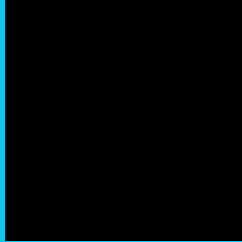
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0238, 45.6267, 85.5582

Background



This preview shows how black text looks on a background with the XYZ color 35.0238, 45.6267, 85.5582.



This preview shows how white text looks on a background with the XYZ color 35.0238, 45.6267,

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

35.0238, 45.6267, 85.5582

Protanopia

44.9217, 44.9896, 74.7228

Deuteranopia

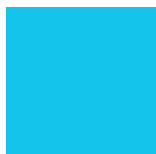
46.1538, 45.0233, 88.6959



Tritanopia

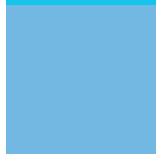
32.5610, 45.7019, 70.7235

Trichromacy



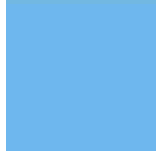
Original Color

35.0238, 45.6267, 85.5582



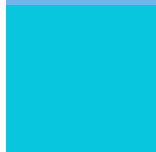
Protanomaly

37.8074, 43.3494, 78.3261



Deuteranomaly

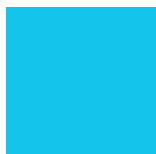
38.7965, 43.3550, 87.2125



Tritanomaly

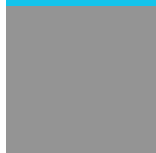
33.4665, 45.7073, 76.1658

Monochromacy



Original Color

35.0238, 45.6267, 85.5582



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.0602, 32.9723, 48.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0238, 45.6267, 85.5582 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(20, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(20, 196, 235)  
}
```

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(20, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 196, 235) }
```

Border

The CSS property to change the border of an element to XYZ 35.0238, 45.6267, 85.5582 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(20, 196, 235) }
```


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

```
.border{ border-color:rgb(20, 196, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 196, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 196, 235);  
box-shadow:4px 4px 4px 4px rgb(20, 196,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0238, 45.6267, 85.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 196, 235) }
```

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

```
.background{ background-color: rgb(20, 196,  
235) }
```

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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