

Converting Colors

XYZ(35.3913, 44.6062, 86.9812)

Have a look what the booklet for
XYZ(35.3913, 44.6062, 86.9812)
contains.

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Color

**XYZ(35.2624, 44.3945,
86.8312)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC0ED
RGB	46, 192, 237
RGB Percent	18%, 75%, 93%
CMY	0.8195, 0.2470, 0.0706
CMYK	0.81, 0.19, 0.00, 0.07
HSL	194°, 84%, 55%
HSV	194°, 81%, 93%
XYZ	35.2624, 44.3945, 86.8312
YIQ	153.4760, -101.4610, -16.9570

Conversions

Conversions Part 2

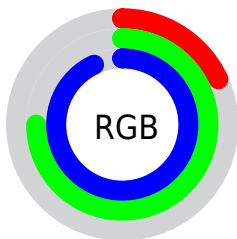
Format	Color
R_{YB}	46, 129, 237
Decimal	3064045
CIE _{Lab}	72.49, -22.15, -32.90
CIE _{LCh}	72, 39.660, 236.043
Yxy	44.3945, 0.2118, 0.2667
Android (android.graphics.Color)	4281254125 (0xFF2EC0ED)
YUV	153.4760, 41.1773, -94.2565
Hunter-Lab	66.6292, -22.1329, -30.6263

Details

The XYZ color **35.2624, 44.3945, 86.8312** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **39.1615, 25.6872, 5.4807**, and the grayscale version is **30.3462, 31.9266, 34.7680**.

A 20% lighter version of the original color is **60.0941, 79.1823, 106.7242**, and **17.4290, 21.5132, 46.9499** is the 20% darker color. If you saturate the color by 10%, you get **33.2713, 41.5830, 86.3943**, and if you desaturate by 10%, it is **37.8914, 47.6055, 87.3133**.

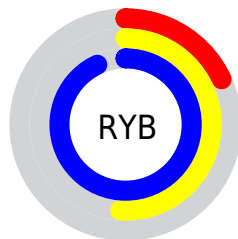
Distribution



Red (18%)

Green (75%)

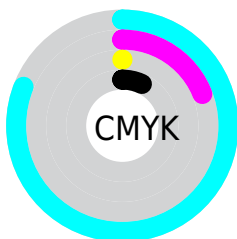
Blue (93%)



Red (18%)

Yellow (51%)

Blue (93%)

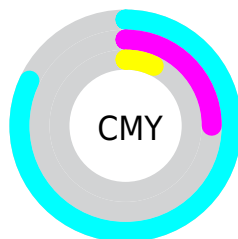


Cyan (81%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (82%)

Magenta (25%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2624, 44.3945, 86.8312 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 35.2624, 44.3945, 86.8312 by changing the saturation by 10% instead.

35.2624, 44.3945,
86.8312

35.2624, 44.3945,
86.8312

317.2128,
364.3157, 537.9698

24.0325, 30.9808,
64.7967

67.2234, 81.8110,
144.8256

15.4826, 20.5842,
46.8459

88.6853, 106.5826,
181.6226

9.2473, 12.8204,
32.5604

114.2885,
135.9090, 224.1776

4.9612, 7.3050,
21.5216

144.3985,
170.1745, 272.9089

2.2591, 3.6536,
13.3108

179.3805,
209.7635, 328.2353

0.7736, 1.4817,
7.5097

219.6000,

0.0000, 0.2758,

255.0604, 390.5752

3.6996

265.4223,
306.4497, 460.3472

■ 0.0000, 0.0000,
1.4620

■ 0.0000, 0.0000,
0.1894

■ 35.2624, 44.3945,
86.8312

■ 35.2624, 44.3945,
86.8312

■ 33.2713, 41.5830,
86.3943

■ 37.8914, 47.6055,
87.3133

■ 31.8426, 39.2272,
86.0149

■ 41.2391, 51.2560,
87.8415

■ 45.3786, 55.3853,
88.4203

■ 50.3723, 60.0262,
89.0529

■ 56.2763, 65.2083,
89.7420

■ 63.1417, 70.9587,
90.4901

■ 71.0157, 77.3025,
91.2995

■ 79.9422, 84.2628,
92.1726

■ 88.3557, 91.0334,
93.0360

Harmonies

Analogous

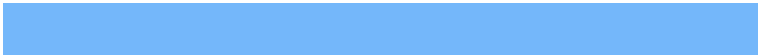
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.4402, 44.3945, 66.8491



35.2624, 44.3945, 86.8312



41.2939, 44.3945, 96.5389

Triad

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



35.2624, 44.3945, 86.8312



56.7356, 44.3945, 50.9861



36.6766, 44.3945, 21.7641

Complementary

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



35.2624, 44.3945, 86.8312



39.1615, 25.6872, 5.4807

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.



43.1104, 44.3945, 19.6414



35.2624, 44.3945, 86.8312



55.1606, 44.3945, 33.6048

Square

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



35.2624, 44.3945, 86.8312



54.0818, 44.3945, 72.5987



49.9829, 44.3945, 23.3281



32.1926, 44.3945, 30.1918

Rectangle

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



35.2624, 44.3945, 86.8312



45.9387, 44.3945, 94.3696



49.9829, 44.3945, 23.3281



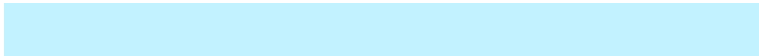
38.6616, 44.3945, 20.4073

Sweetspot

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



35.2639, 44.3961, 86.8323



71.5780, 81.3253, 106.5325



33.2823, 61.8984, 19.9964



14.7028, 16.8887, 22.7349



0.0000, 0.0000, 0.0000



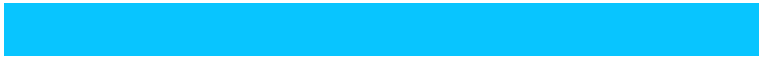
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2639, 44.3961, 86.8323



38.0485, 47.0749, 101.6887



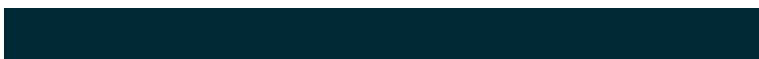
20.6835, 15.2353, 81.9722



15.1994, 16.4853, 19.3031



17.4904, 21.6278, 46.9957



1.4459, 1.8434, 3.7145

Inverse Universe

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



45.4178, 23.7660, 52.0641



51.3690, 25.4445, 54.8592



52.9931, 53.3504, 10.0913



15.5542, 15.2495, 18.2037



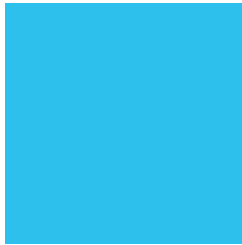
23.6836, 11.6761, 25.1991



1.8963, 0.9315, 2.1715

Previews

White Background



This preview shows how the XYZ color 35.2624, 44.3945, 86.8312 looks on a white background.

Color Contrast Check

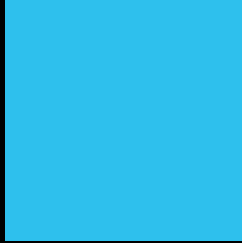
Large Text (above 18pt) WCAG AA × Fail

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 35.2624, 44.3945, 86.8312 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

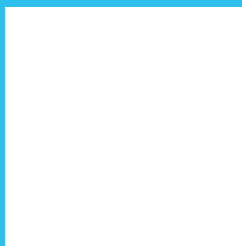
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2624, 44.3945, 86.8312

Background



This preview shows how black text looks on a background with the XYZ color 35.2624, 44.3945, 86.8312.



This preview shows how white text looks on a background with the XYZ color 35.2624, 44.3945,

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

35.2624, 44.3945, 86.8312

Protanopia

43.9004, 43.5464, 76.6125

Deuteranopia

44.9179, 43.7911, 89.3042



Tritanopia

31.6236, 44.2333, 69.1585

Trichromacy



Original Color

35.2624, 44.3945, 86.8312



Protanomaly

38.5519, 42.7698, 80.3522



Deuteranomaly

39.5882, 43.1209, 88.6747



Tritanomaly

32.7974, 44.3698, 75.2422

Monochromacy



Original Color

35.2624, 44.3945, 86.8312



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.4099, 34.6755, 50.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2624, 44.3945, 86.8312 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(46, 192, 237)` looks like.

```
.text, #text, p{  
    color:rgb(46, 192, 237)  
}
```

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(46, 192, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 192, 237) }
```

Border

The CSS property to change the border of an element to XYZ 35.2624, 44.3945, 86.8312 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(46, 192, 237) }
```


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

```
.border{ border-color:rgb(46, 192, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 192, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 192, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 192, 237);  
box-shadow:4px 4px 4px 4px rgb(46, 192,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2624, 44.3945, 86.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 192, 237) }
```

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

```
.background{ background-color: rgb(46, 192,  
237) }
```

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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