

Converting Colors

XYZ(43.5936, 59.8340, 50.5678)

Have a look what the booklet for
XYZ(43.5936, 59.8340, 50.5678)
contains.

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Color

**XYZ(43.6846, 59.9984,
50.3527)**

Conversions

Conversions Part 1

Format	Color
Hex	87DDB0
RGB	135, 221, 176
RGB Percent	53%, 87%, 69%
CMY	0.4706, 0.1333, 0.3098
CMYK	0.39, 0.00, 0.20, 0.13
HSL	149°, 56%, 70%
HSV	149°, 39%, 87%
XYZ	43.6846, 59.9984, 50.3527
YIQ	190.1560, -36.8110, -32.2270

Conversions

Conversions Part 2

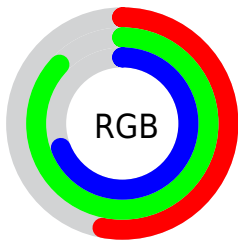
Format	Color
RYB	135, 193, 221
Decimal	8904112
CIELab	81.84, -35.85, 14.02
CIELCh	82, 38.494, 158.637
Yxy	59.9984, 0.2836, 0.3895
Android (android.graphics.Color)	4287094192 (0xFF87DDB0)
YUV	190.1560, -6.9789, -48.3718
Hunter-Lab	77.4586, -34.8834, 15.6790

Details

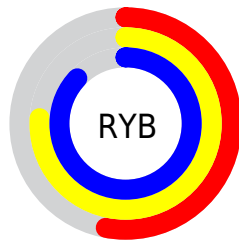
The XYZ color **43.6846, 59.9984, 50.3527** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.7230, 35.9968, 47.6679**, and the grayscale version is **49.0889, 51.6453, 56.2418**.

A 20% lighter version of the original color is **71.8113, 88.4226, 89.6263**, and **20.3386, 30.0458, 23.4664** is the 20% darker color. If you saturate the color by 10%, you get **39.3954, 57.9155, 44.4318**, and if you desaturate by 10%, it is **48.8126, 62.5057, 56.8243**.

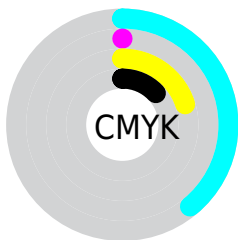
Distribution



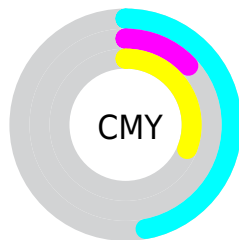
- Red (53%)
- Green (87%)
- Blue (69%)



- Red (53%)
- Yellow (76%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6846, 59.9984, 50.3527 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 43.6846, 59.9984, 50.3527 by changing the saturation by 10% instead.


 43.6846, 59.9984,
50.3527


 43.6846, 59.9984,
50.3527


352.2936,
424.5919, 404.8181


 30.6195, 43.4173,
35.3206


 79.9922, 104.8273,
92.0989

 20.4597, 30.2127,
23.6244


 103.9654,
133.8440, 119.6501

 12.8398, 20.0001,
14.8456


 132.3054,
167.7747, 152.2114

 7.3946, 12.3951,
8.5657

165.3774,
207.0038, 190.2013

 3.7586, 7.0134,
4.3661

203.5469,
251.9156, 234.0384

 1.5665, 3.4705,
1.8282

247.1792,

 0.3704, 1.3820,

302.8947, 284.1412

0.4465

296.6397,
360.3253, 340.9283

■ 0.0000, 0.2034,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6846, 59.9984,
50.3527

■ 43.6846, 59.9984,
50.3527

■ 39.3954, 57.9155,
44.4318

■ 48.8126, 62.5057,
56.8243

■ 35.8916, 56.2249,
39.0428


■ 54.8189, 65.4526,
63.8569


■ 33.1213, 54.9017,
34.1712


■ 61.7463, 68.8626,
71.4654


■ 31.0236, 53.9148,
29.8005


■ 69.6332, 72.7552,
79.6631


 29.5269, 53.2278,
25.9132

 78.5160, 77.1488,
88.4626

 28.5212, 52.7841,
22.4890

 83.6384, 79.5915,
97.6522

 28.4259, 52.7425,
22.1437

 85.1476, 80.1951,
105.5992

Harmonies

Analogous

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



47.8213, 59.9984, 36.2503



43.6846, 59.9984, 50.3527



42.9388, 59.9984, 72.2769

Triad

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



43.6846, 59.9984, 50.3527



59.4040, 59.9984, 120.2714



70.1154, 59.9984, 41.1931

Complementary

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



43.6846, 59.9984, 50.3527



46.7230, 35.9968, 47.6679

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.



73.9012, 59.9984, 58.8395



43.6846, 59.9984, 50.3527



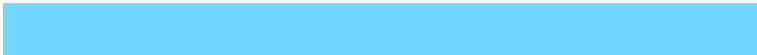
67.3435, 59.9984, 106.8604

Square

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



43.6846, 59.9984, 50.3527



51.5250, 59.9984, 116.4581



72.8414, 59.9984, 83.0122



62.9067, 59.9984, 31.9017

Rectangle

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



43.6846, 59.9984, 50.3527



44.3893, 59.9984, 89.1919



72.8414, 59.9984, 83.0122



71.8602, 59.9984, 46.1526

Sweetspot

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



43.6862, 60.0009, 50.3541



82.2028, 93.6626, 95.3981



49.2564, 63.2725, 32.5392



17.3206, 19.9126, 20.1199



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.



43.6862, 60.0009, 50.3541



55.3220, 80.5018, 62.6581



48.5225, 61.9354, 75.8213



13.1437, 14.7091, 15.2198



16.5688, 30.6601, 13.1607



1.1168, 2.0037, 1.0810

Inverse Universe

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



46.7230, 35.9968, 47.6679



60.1023, 42.7008, 58.4182



43.0623, 34.5325, 28.3908



13.3392, 13.1648, 15.0476



19.1991, 9.6807, 10.6944



1.2873, 0.6445, 0.9217

Previews

White Background



This preview shows how the XYZ color 43.6846, 59.9984, 50.3527 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 43.6846, 59.9984, 50.3527 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 43.6846, 59.9984, 50.3527

Background



This preview shows how black text looks on a background with the XYZ color 43.6846, 59.9984, 50.3527.



This preview shows how white text looks on a background with the XYZ color 43.6846, 59.9984,

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

43.6846, 59.9984, 50.3527

Protanopia

55.8271, 59.3272, 45.0681

Deuteranopia

60.5917, 59.2306, 52.4951



Tritanopia

50.6831, 60.1586, 84.5418

Trichromacy



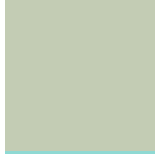
Original Color

43.6846, 59.9984, 50.3527



Protanomaly

50.0637, 58.8175, 46.7445



Deuteranomaly

52.3368, 58.0831, 51.6327



Tritanomaly

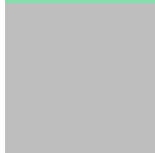
47.8984, 60.1685, 70.7172

Monochromacy



Original Color

43.6846, 59.9984, 50.3527



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.2212, 53.8221, 53.8515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6846, 59.9984, 50.3527 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(135, 221, 176)` looks like.

```
.text, #text, p{  
    color:rgb(135, 221, 176)  
}
```

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(135, 221, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 221, 176) }
```

Border

The CSS property to change the border of an element to XYZ 43.6846, 59.9984, 50.3527 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(135, 221, 176) }
```


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

```
.border{ border-color:rgb(135, 221, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 221, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 221, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 221, 176);  
box-shadow:4px 4px 4px 4px rgb(135, 221,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6846, 59.9984, 50.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 221, 176) }
```

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

```
.background{ background-color: rgb(135,  
221, 176) }
```

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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