

Converting Colors

XYZ(43.4650, 55.4149, 63.0517)

Have a look what the booklet for
XYZ(43.4650, 55.4149, 63.0517)
contains.

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Color

**XYZ(43.4636, 55.4142,
63.0488)**

Conversions

Conversions Part 1

Format	Color
Hex	87D2C8
RGB	135, 210, 200
RGB Percent	53%, 82%, 78%
CMY	0.4706, 0.1765, 0.2157
CMYK	0.36, 0.00, 0.05, 0.18
HSL	172°, 45%, 68%
HSV	172°, 36%, 82%
XYZ	43.4636, 55.4142, 63.0488
YIQ	186.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

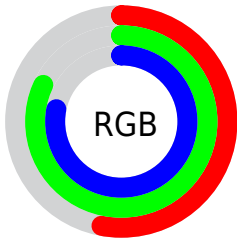
Format	Color
RYB	135, 175, 210
Decimal	8901320
CIELab	79.28, -25.48, -2.43
CIELCh	79, 25.590, 185.439
Yxy	55.4142, 0.2684, 0.3422
Android (android.graphics.Color)	4287091400 (0xFF87D2C8)
YUV	186.4350, 6.6875, -45.1085
Hunter-Lab	74.4407, -26.0507, 1.8918

Details

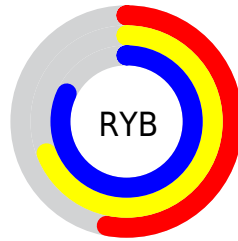
The XYZ color **43.4636, 55.4142, 63.0488** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.3551, 33.0755, 31.0475**, and the grayscale version is **46.8977, 49.3400, 53.7313**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **20.3030, 27.2673, 31.3872** is the 20% darker color. If you saturate the color by 10%, you get **40.0884, 53.7131, 61.1988**, and if you desaturate by 10%, it is **47.5144, 57.4657, 64.9641**.

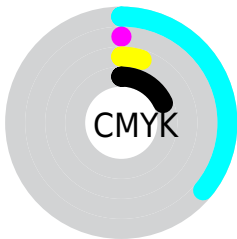
Distribution



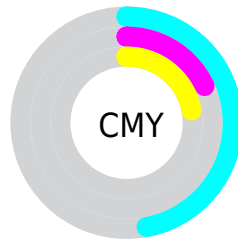
- Red (53%)
- Green (82%)
- Blue (78%)



- Red (53%)
- Yellow (69%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (47%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4636, 55.4142, 63.0488 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 43.4636, 55.4142, 63.0488 by changing the saturation by 10% instead.

■ 43.4636, 55.4142,
63.0488

■ 43.4636, 55.4142,
63.0488

351.4041,
407.4801, 453.8594

■ 30.4451, 39.7334,
45.4394

■ 79.6613, 98.1476,
110.8262

■ 20.3264, 27.3308,
31.4582

■ 103.5713,
125.9689, 141.8313

■ 12.7422, 17.8218,
20.6866

■ 131.8425,
158.6060, 178.1387

■ 7.3270, 10.8221,
12.7061

164.8403,
196.4431, 220.1669

■ 3.7156, 5.9474,
7.0982

202.9300,
239.8647, 268.3346

■ 1.5425, 2.8131,
3.4442

246.4769,

■ 0.3545, 1.0349,

289.2551, 323.0602

1.3257

295.8465,
344.9988, 384.7623

■ 0.0000, 0.0000,
0.0827

■ 0.0000, 0.0000,
0.0000

■ 43.4636, 55.4142,
63.0488

■ 43.4636, 55.4142,
63.0488

■ 40.0884, 53.7131,
61.1988

■ 47.5144, 57.4657,
64.9641

■ 37.3446, 52.3354,
59.4083

■ 52.2722, 59.8796,
66.9427

■ 35.1903, 51.2609,
57.6764

■ 57.7722, 62.6754,
68.9878

■ 33.5763, 50.4643,
56.0006

■ 64.0458, 65.8692,
71.1008

■ 32.4457, 49.9162,
54.3781

■ 71.1226, 69.4765,
73.2833

■ 31.7280, 49.5803,
52.8053

■ 76.7866, 72.3547,
75.4319

■ 31.4907, 49.4723,
52.1438

■ 77.1537, 72.5015,
77.3648

■ 77.5270, 72.6508,
79.3304

■ 77.9065, 72.8026,
81.3289

Harmonies

Analogous

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



44.2126, 55.4142, 49.3585



43.4636, 55.4142, 63.0488



45.0482, 55.4142, 78.2075

Triad

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



43.4636, 55.4142, 63.0488



58.5871, 55.4142, 86.3491



56.8690, 55.4142, 38.1527

Complementary

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



43.4636, 55.4142, 63.0488



40.3551, 33.0755, 31.0475

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.



61.1053, 55.4142, 45.4193



43.4636, 55.4142, 63.0488



62.1414, 55.4142, 72.8327

Square

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



43.4636, 55.4142, 63.0488



53.6082, 55.4142, 92.9850



63.0914, 55.4142, 57.7034



51.7419, 55.4142, 36.3943

Rectangle

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



43.4636, 55.4142, 63.0488



47.2793, 55.4142, 86.6639



63.0914, 55.4142, 57.7034



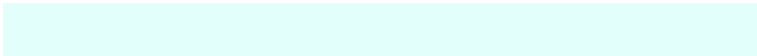
58.4546, 55.4142, 39.9672

Sweetspot

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



43.4652, 55.4164, 63.0501



84.8763, 94.8242, 105.3106



39.3200, 53.9786, 31.2693



17.9204, 20.1709, 22.4480



0.0000, 0.0000, 0.0000



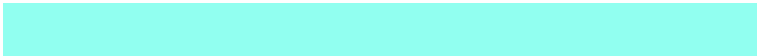
20.3446, 21.4041, 23.3091

Same Dimension

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



43.4652, 55.4164, 63.0501



63.2830, 83.8853, 95.5879



38.7148, 43.9832, 67.4244



12.0877, 13.3788, 14.8183



19.2351, 30.1870, 31.9479



1.0948, 1.6956, 1.8878

Inverse Universe

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



40.3551, 33.0755, 31.0475



57.7618, 44.1551, 38.7238



43.7420, 41.0299, 28.5369



11.8720, 11.8335, 12.6018



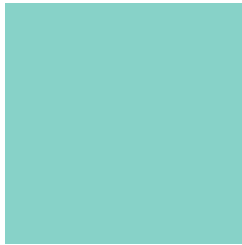
16.3615, 8.4175, 1.5441



0.9363, 0.4792, 0.1994

Previews

White Background



This preview shows how the XYZ color 43.4636, 55.4142, 63.0488 looks on a white background.

Color Contrast Check

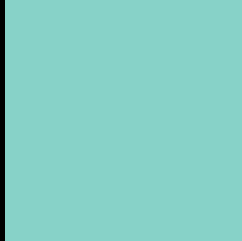
Large Text (above 18pt) WCAG AA × Fail

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 43.4636, 55.4142, 63.0488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

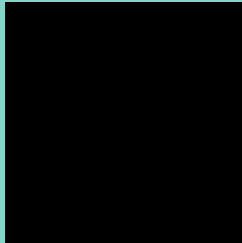
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.4636, 55.4142, 63.0488

Background



This preview shows how black text looks on a background with the XYZ color 43.4636, 55.4142, 63.0488.

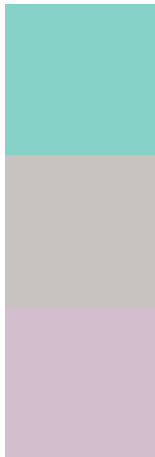


This preview shows how white text looks on a background with the XYZ color 43.4636, 55.4142,

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

43.4636, 55.4142, 63.0488

Protanopia

52.7385, 55.0712, 57.1404

Deuteranopia

55.8909, 54.8882, 64.7755



Tritanopia

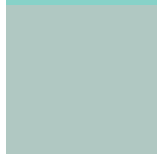
46.6166, 55.6161, 78.0901

Trichromacy



Original Color

43.4636, 55.4142, 63.0488



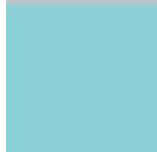
Protanomaly

48.2964, 54.4337, 59.0002



Deuteranomaly

50.2742, 54.3116, 64.3334



Tritanomaly

45.4691, 55.5070, 72.6074

Monochromacy



Original Color

43.4636, 55.4142, 63.0488



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.8554, 51.0073, 56.7715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4636, 55.4142, 63.0488 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, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(135, 210, 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(135, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 210, 200) }
```

Border

The CSS property to change the border of an element to XYZ 43.4636, 55.4142, 63.0488 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, 210, 200) }
```


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

```
.border{ border-color:rgb(135, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 210, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 210, 200);  
box-shadow:4px 4px 4px 4px rgb(135, 210,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4636, 55.4142, 63.0488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 210, 200) }
```

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

```
.background{ background-color: rgb(135,  
210, 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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