

Converting Colors

XYZ(47.4151, 56.0353, 66.9656)

Have a look what the booklet for
XYZ(47.4151, 56.0353, 66.9656)
contains.

XYZ(47.3124, 55.8679, 66.6825)	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(47.3124, 55.8679,
66.6825)**

Conversions

Conversions Part 1

Format	Color
Hex	9ECECE
RGB	158, 206, 206
RGB Percent	62%, 81%, 81%
CMY	0.3804, 0.1921, 0.1922
CMYK	0.23, 0.00, 0.00, 0.19
HSL	180°, 33%, 71%
HSV	180°, 23%, 81%
XYZ	47.3124, 55.8679, 66.6825
YIQ	191.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

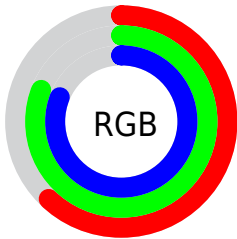
Format	Color
R_{YB}	158, 182, 206
Decimal	10407630
CIE _{Lab}	79.54, -15.54, -5.12
CIE _{LCh}	80, 16.364, 198.237
Yxy	55.8679, 0.2785, 0.3289
Android (android.graphics.Color)	4288597710 (0xFF9ECECE)
YUV	191.6480, 7.0755, -29.5093
Hunter-Lab	74.7448, -17.8155, -0.5733

Details

The XYZ color **47.3124, 55.8679, 66.6825** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8539, 40.0457, 37.7682**, and the grayscale version is **49.8710, 52.4682, 57.1379**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **22.7214, 27.7267, 33.8600** is the 20% darker color. If you saturate the color by 10%, you get **43.5954, 53.9532, 66.5091**, and if you desaturate by 10%, it is **51.7119, 58.1373, 66.8903**.

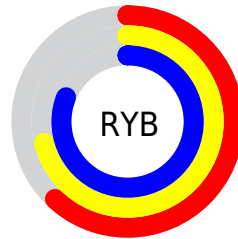
Distribution



Red (62%)

Green (81%)

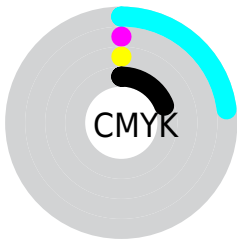
Blue (81%)



Red (62%)

Yellow (71%)

Blue (81%)

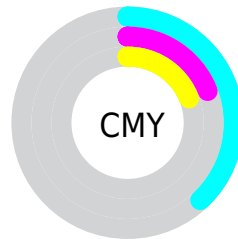


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (19%)



Cyan (38%)


Magenta (19%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3124, 55.8679, 66.6825 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 47.3124, 55.8679, 66.6825 by changing the saturation by 10% instead.


 47.3124, 55.8679,
66.6825


 47.3124, 55.8679,
66.6825


366.6882,
409.1935, 467.2845

 33.4917, 40.0970,
48.3667


 85.3957, 98.8114,
116.1017

 22.6644, 27.6142,
33.7553


 110.3889,
126.7528, 148.0421

 14.4652, 18.0350,
22.4298


139.8370,
159.5199, 185.3611

 8.5288, 10.9751,
13.9718

174.1054,
197.4970, 228.4773

 4.4898, 6.0501,
7.9625

213.5593,
241.0685, 277.8092

 1.9828, 2.8756,
3.9835

258.5642,

 0.6243, 1.0671,

290.6188, 333.7754

1.6163

309.4854,
346.5323, 396.7943

■ 0.0000, 0.0000,
0.3024

■ 0.0000, 0.0000,
0.0000

■ 47.3124, 55.8679,
66.6825

■ 47.3124, 55.8679,
66.6825

■ 43.5954, 53.9532,
66.5091

■ 51.7119, 58.1373,
66.8903

■ 40.5222, 52.3689,
66.3645

■ 56.8204, 60.7709,
67.1300

■ 38.0577, 51.0984,
66.2485

■ 62.6692, 63.7860,
67.4044

■ 36.1614, 50.1208,
66.1591

■ 69.2860, 67.1971,
67.7148

■ 34.7879, 49.4128,
66.0941

■ 74.4537, 69.8611,
67.9573

■ 33.8852, 48.9474,
66.0512

■ 74.4538, 69.8612,
67.9580

■ 33.3901, 48.6922,
66.0273

■ 74.4539, 69.8612,
67.9587

■ 33.2120, 48.6004,
66.0186

■ 74.4541, 69.8613,
67.9594

■ 74.4542, 69.8613,
67.9601

Harmonies

Analogous

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



47.1413, 55.8679, 57.2089



47.3124, 55.8679, 66.6825



48.9950, 55.8679, 75.3806

Triad

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



47.3124, 55.8679, 66.6825



57.9640, 55.8679, 73.7227



54.4018, 55.8679, 44.7519

Complementary

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



47.3124, 55.8679, 66.6825



43.8539, 40.0457, 37.7682

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.



57.4297, 55.8679, 48.2849



47.3124, 55.8679, 66.6825



59.5424, 55.8679, 64.6021

Square

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



47.3124, 55.8679, 66.6825



55.1066, 55.8679, 79.7256



59.3430, 55.8679, 55.3316



51.1442, 55.8679, 45.1851

Rectangle

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



47.3124, 55.8679, 66.6825



50.7880, 55.8679, 79.2695



59.3430, 55.8679, 55.3316



55.4826, 55.8679, 45.4988

Sweetspot

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



47.3140, 55.8702, 66.6838



88.7850, 96.7703, 108.6060



42.5029, 53.9640, 40.5247



18.8940, 20.6563, 23.2410



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.



47.3140, 55.8702, 66.6838



73.4809, 88.8808, 107.8874



42.1350, 45.5116, 64.9589



11.5433, 12.7271, 14.4184



20.4500, 29.9253, 40.6504



1.0550, 1.5438, 2.0972

Inverse Universe

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



43.8539, 40.0457, 37.7682



66.9077, 58.8191, 52.9567



48.1917, 48.7215, 39.2130



11.2124, 11.2137, 11.6531



15.6736, 8.0800, 0.7338



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 47.3124, 55.8679, 66.6825 looks on a white background.

Color Contrast Check

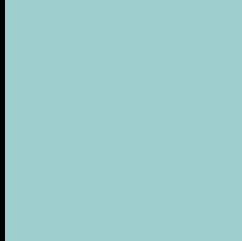
Large Text (above 18pt) WCAG AA × Fail

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 47.3124, 55.8679, 66.6825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

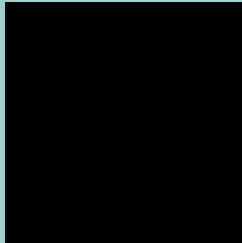
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3124, 55.8679, 66.6825

Background



This preview shows how black text looks on a background with the XYZ color 47.3124, 55.8679, 66.6825.

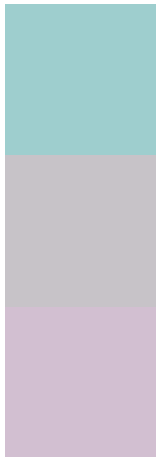


This preview shows how white text looks on a background with the XYZ color 47.3124, 55.8679,

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

47.3124, 55.8679, 66.6825

Protanopia

53.4936, 55.3425, 62.5063

Deuteranopia

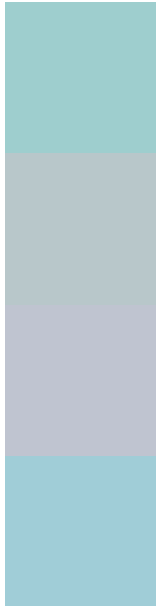
56.7178, 55.5667, 68.0577



Tritanopia

49.2091, 55.9301, 75.9121

Trichromacy



Original Color

47.3124, 55.8679, 66.6825

Protanomaly

50.8513, 55.3015, 63.8712

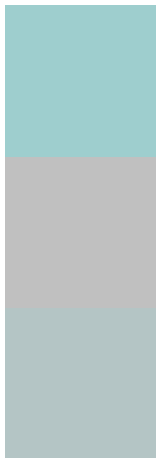
Deuteranomaly

52.6110, 55.1103, 67.5390

Tritanomaly

48.5943, 56.0425, 72.5461

Monochromacy



Original Color

47.3124, 55.8679, 66.6825

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.8667, 53.6670, 60.6065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3124, 55.8679, 66.6825 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(158, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(158, 206, 206)  
}
```

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(158, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 206, 206) }
```

Border

The CSS property to change the border of an element to XYZ 47.3124, 55.8679, 66.6825 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(158, 206, 206) }
```


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

```
.border{ border-color:rgb(158, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(158, 206,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3124, 55.8679, 66.6825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 206, 206) }
```

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

```
.background{ background-color: rgb(158,  
206, 206) }
```

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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