

Converting Colors

XYZ(46.7690, 63.8728, 56.6719)

Have a look what the booklet for
XYZ(46.7690, 63.8728, 56.6719)
contains.

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Color

**XYZ(46.7553, 63.8444,
56.8726)**

Conversions

Conversions Part 1

Format	Color
Hex	89E3BB
RGB	137, 227, 187
RGB Percent	54%, 89%, 73%
CMY	0.4627, 0.1098, 0.2667
CMYK	0.40, 0.00, 0.18, 0.11
HSL	153°, 62%, 71%
HSV	153°, 40%, 89%
XYZ	46.7553, 63.8444, 56.8726
YIQ	195.5300, -40.8000, -31.5200

Conversions

Conversions Part 2

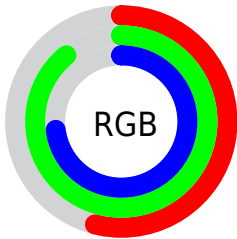
Format	Color
RYB	137, 195, 227
Decimal	9036731
CIELab	83.88, -35.84, 11.15
CIElCh	84, 37.531, 162.723
Yxy	63.8444, 0.2792, 0.3812
Android (android.graphics.Color)	4287226811 (0xFF89E3BB)
YUV	195.5300, -4.2053, -51.3308
Hunter-Lab	79.9027, -35.3799, 13.7308

Details

The XYZ color **46.7553, 63.8444, 56.8726** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.5623, 37.3982, 46.2568**, and the grayscale version is **52.2313, 54.9514, 59.8420**.

A 20% lighter version of the original color is **73.9300, 89.3285, 98.1396**, and **22.3457, 32.6409, 27.6768** is the 20% darker color. If you saturate the color by 10%, you get **42.3761, 61.7090, 51.2267**, and if you desaturate by 10%, it is **51.9967, 66.4189, 62.9578**.

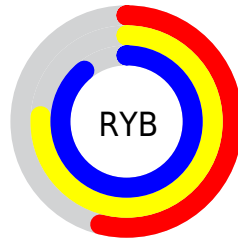
Distribution



Red (54%)

Green (89%)

Blue (73%)



Red (54%)

Yellow (76%)

Blue (89%)

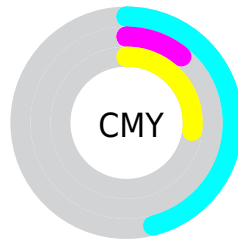


Cyan (40%)

Magenta (0%)

Yellow (18%)

Black (11%)



Cyan (46%)


Magenta (11%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7553, 63.8444, 56.8726 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 46.7553, 63.8444, 56.8726 by changing the saturation by 10% instead.


 46.7553, 63.8444,
56.8726


 46.7553, 63.8444,
56.8726


364.5022,
438.6275, 430.4521


 33.0494, 46.5247,
40.4943


 84.5692, 110.3868,
101.7778

 22.3237, 32.6600,
27.6074


 109.4079,
140.3783, 131.1417

 14.2129, 21.8661,
17.7935


 138.6883,
175.3624, 165.6712

 8.3516, 13.7586,
10.6339

172.7756,
215.7237, 205.7849

 4.3744, 7.9529,
5.7102

212.0354,
261.8464, 251.9013

 1.9161, 4.0649,
2.6037

256.8328,

 0.5861, 1.7099,

314.1151, 304.4390

0.8944

307.5333,
372.9140, 363.8164

0.0000, 0.4301,
0.0000

0.0000, 0.0000,
0.0000

46.7553, 63.8444,
56.8726

46.7553, 63.8444,
56.8726

42.3761, 61.7090,
51.2267

51.9967, 66.4189,
62.9578

38.8029, 59.9788,
46.0053


58.1417, 69.4486,
69.4880


35.9805, 58.6273,
41.1988


65.2354, 72.9582,
76.4742


33.8446, 57.6214,
36.7956


73.3180, 76.9684,
83.9259


 32.3186, 56.9220,
32.7832

 82.4276, 81.4986,
91.8519

 31.2762, 56.4640,
29.1464

 85.5820, 82.9492,
99.9325

 31.2432, 56.4496,
29.0247

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



50.5398, 63.8444, 41.1876



46.7553, 63.8444, 56.8726



46.4815, 63.8444, 80.0131

Triad

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



46.7553, 63.8444, 56.8726



64.2447, 63.8444, 123.9400



73.1030, 63.8444, 43.0155

Complementary

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



46.7553, 63.8444, 56.8726



48.5623, 37.3982, 46.2568

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.



77.5153, 63.8444, 59.9791



46.7553, 63.8444, 56.8726



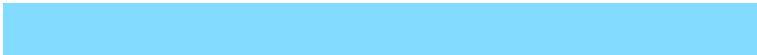
72.0980, 63.8444, 108.5348

Square

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



46.7553, 63.8444, 56.8726



56.0901, 63.8444, 122.5707



77.1317, 63.8444, 83.9061



65.5183, 63.8444, 34.5224

Rectangle

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



46.7553, 63.8444, 56.8726



48.2866, 63.8444, 97.0919



77.1317, 63.8444, 83.9061



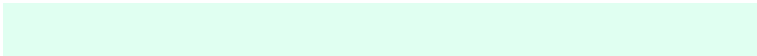
75.0359, 63.8444, 47.7281

Sweetspot

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



46.7570, 63.8470, 56.8741



82.5615, 93.8061, 97.2871



50.2321, 66.1530, 33.7893



17.4049, 19.9464, 20.5643



0.0000, 0.0000, 0.0000



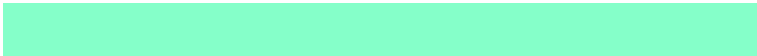
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7570, 63.8470, 56.8741



55.8651, 80.6722, 67.6373



50.4381, 63.3756, 82.2504



14.5228, 16.2226, 17.0179



18.2800, 32.9441, 17.2407



1.3974, 2.4531, 1.5194

Inverse Universe

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



48.5623, 37.3982, 46.2568



58.5428, 41.5137, 51.9425



45.7946, 37.3362, 28.4609



14.6418, 14.4739, 16.3143



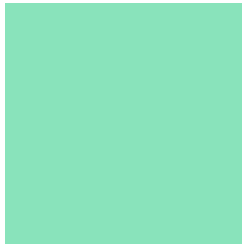
19.8986, 10.0937, 8.3611



1.5166, 0.7643, 0.8609

Previews

White Background



This preview shows how the XYZ color 46.7553, 63.8444, 56.8726 looks on a white background.

Color Contrast Check

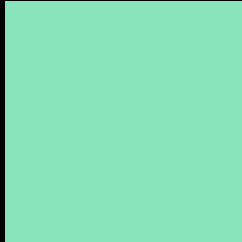
Large Text (above 18pt) WCAG AA × Fail

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 46.7553, 63.8444, 56.8726 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

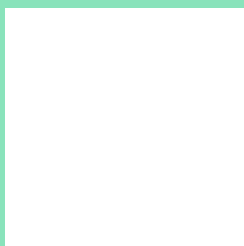
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7553, 63.8444, 56.8726

Background



This preview shows how black text looks on a background with the XYZ color 46.7553, 63.8444, 56.8726.



This preview shows how white text looks on a background with the XYZ color 46.7553, 63.8444,

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

46.7553, 63.8444, 56.8726

Protanopia

59.7051, 63.3461, 50.6752

Deuteranopia

64.4440, 63.1160, 59.2381



Tritanopia

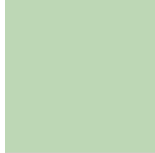
53.4202, 63.7490, 90.3782

Trichromacy



Original Color

46.7553, 63.8444, 56.8726



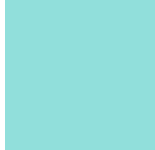
Protanomaly

53.6272, 62.7559, 53.0027



Deuteranomaly

56.0038, 61.9969, 58.3051



Tritanomaly

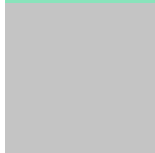
50.8509, 63.9096, 76.6735

Monochromacy



Original Color

46.7553, 63.8444, 56.8726



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.6177, 57.5899, 58.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7553, 63.8444, 56.8726 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(137, 227, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 227, 187)  
}
```

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(137, 227, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 227, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.7553, 63.8444, 56.8726 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(137, 227, 187) }
```


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

```
.border{ border-color:rgb(137, 227, 187) }
```

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

Here you see how a box with a 4 pixel rgb(137, 227, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 227, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 227, 187);  
box-shadow:4px 4px 4px 4px rgb(137, 227,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7553, 63.8444, 56.8726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 227, 187) }
```

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

```
.background{ background-color: rgb(137,  
227, 187) }
```

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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