

Converting Colors

XYZ(46.3676, 56.7680, 76.6059)

Have a look what the booklet for
XYZ(46.3676, 56.7680, 76.6059)
contains.

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Color

**XYZ(46.2511, 56.5479,
76.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	88D2DD
RGB	136, 210, 221
RGB Percent	53%, 82%, 87%
CMY	0.4667, 0.1765, 0.1333
CMYK	0.38, 0.05, 0.00, 0.13
HSL	188°, 56%, 70%
HSV	188°, 38%, 87%
XYZ	46.2511, 56.5479, 76.8838
YIQ	189.1280, -47.6350, -12.2670

Conversions

Conversions Part 2

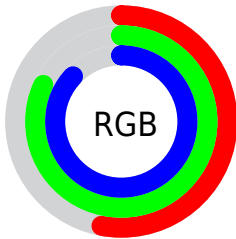
Format	Color
R _Y B	136, 176, 221
Decimal	8966877
CIE Lab	79.92, -20.19, -12.71
CIE LCh	80, 23.859, 212.187
Yxy	56.5479, 0.2574, 0.3147
Android (android.graphics.Color)	4287156957 (0xFF88D2DD)
YUV	189.1280, 15.7129, -46.5933
Hunter-Lab	75.1983, -21.8098, -7.9801

Details

The XYZ color **46.2511, 56.5479, 76.8838** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6974, 38.0180, 28.2764**, and the grayscale version is **48.3769, 50.8962, 55.4260**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **21.9976, 27.9452, 40.3110** is the 20% darker color. If you saturate the color by 10%, you get **42.3260, 53.4870, 76.5008**, and if you desaturate by 10%, it is **50.9322, 60.0199, 77.3082**.

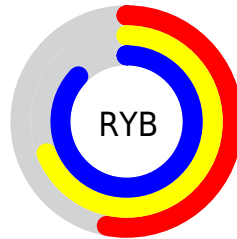
Distribution



Red (53%)

Green (82%)

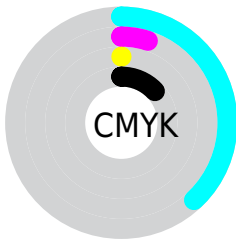
Blue (87%)



Red (53%)

Yellow (69%)

Blue (87%)

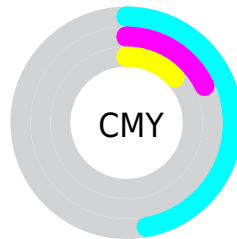


Cyan (38%)

Magenta (5%)

Yellow (0%)

Black (13%)



Cyan (47%)

Magenta (18%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2511, 56.5479, 76.8838 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 46.2511, 56.5479, 76.8838 by changing the saturation by 10% instead.

46.2511, 56.5479,
76.8838

46.2511, 56.5479,
76.8838

362.5163,
411.7531, 503.7949

32.6495, 40.6424,
56.6465

83.8202, 99.8052,
130.7470

22.0160, 28.0398,
40.3140

108.5184,
127.9258, 165.2099

13.9853, 18.3556,
27.4678

137.6462,
160.8868, 205.2518

8.1921, 11.2056,
17.6894

171.5690,
199.0728, 251.2913

4.2709, 6.2053,
10.5601

210.6520,
242.8680, 303.7467

1.8565, 2.9703,
5.6614

255.2606,

0.5514, 1.1163,

292.6568, 363.0368

2.5749

305.7603,
348.8237, 429.5800

■ 0.0000, 0.0000,
0.8794

■ 0.0000, 0.0000,
0.0000

■ 46.2511, 56.5479,
76.8838

■ 46.2511, 56.5479,
76.8838

■ 42.3260, 53.4870,
76.5008

■ 50.9322, 60.0199,
77.3082

■ 39.1060, 50.8069,
76.1533

■ 56.4062, 63.9181,
77.7721

■ 36.5417, 48.4834,
75.8399

■ 62.7135, 68.2649,
78.2787

■ 34.5753, 46.4866,
75.5581

■ 69.8905, 73.0790,
78.8297

■ 33.1385, 44.7811,
75.3047

■ 77.9713, 78.3781,
79.4266

■ 32.1300, 43.3147,
75.0748

■ 81.8044, 81.5067,
79.8284

■ 31.9903, 43.0985,
75.0404

■ 82.5938, 83.0855,
80.0916

■ 83.3962, 84.6903,
80.3590

■ 84.2118, 86.3214,
80.6309

Harmonies

Analogous

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



44.9755, 56.5479, 62.5934



46.2511, 56.5479, 76.8838



49.5217, 56.5479, 88.2742

Triad

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



46.2511, 56.5479, 76.8838



62.4035, 56.5479, 74.8596



53.3928, 56.5479, 38.5979

Complementary

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



46.2511, 56.5479, 76.8838



44.6974, 38.0180, 28.2764

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.



58.2062, 56.5479, 40.8822



46.2511, 56.5479, 76.8838



63.5909, 56.5479, 60.5599

Square

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



46.2511, 56.5479, 76.8838



58.8571, 56.5479, 86.9877



62.0121, 56.5479, 48.4398



48.9417, 56.5479, 41.6609

Rectangle

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



46.2511, 56.5479, 76.8838



52.4921, 56.5479, 91.9228



62.0121, 56.5479, 48.4398



55.0219, 56.5479, 38.7652

Sweetspot

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



46.2528, 56.5501, 76.8851



83.4245, 92.1511, 107.9977



41.1929, 59.0211, 36.3827



17.6081, 19.5535, 23.0961



0.0000, 0.0000, 0.0000



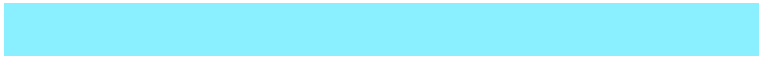
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2528, 56.5501, 76.8851



59.5896, 74.8136, 105.9075



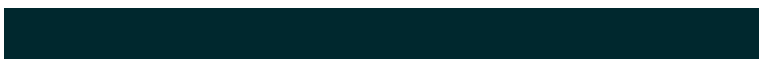
37.3164, 38.6773, 73.9063



13.2937, 14.5271, 16.7555



18.6424, 25.1543, 43.6111



1.2487, 1.7114, 2.8390

Inverse Universe

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



50.2573, 37.6351, 65.5907



65.9873, 45.6317, 87.6299



52.3363, 53.2958, 30.8227



13.5381, 13.2443, 16.0948



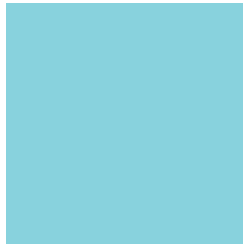
22.9052, 11.1631, 30.2103



1.5046, 0.7315, 2.0659

Previews

White Background



This preview shows how the XYZ color 46.2511, 56.5479, 76.8838 looks on a white background.

Color Contrast Check

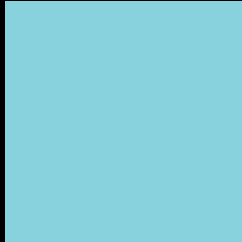
Large Text (above 18pt) WCAG AA × Fail

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 46.2511, 56.5479, 76.8838 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 46.2511, 56.5479, 76.8838

Background



This preview shows how black text looks on a background with the XYZ color 46.2511, 56.5479, 76.8838.

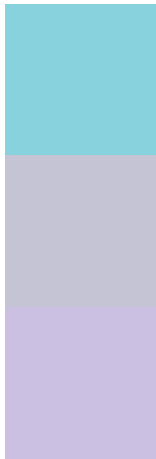


This preview shows how white text looks on a background with the XYZ color 46.2511, 56.5479,

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

46.2511, 56.5479, 76.8838

Protanopia

54.3885, 55.9691, 70.2239

Deuteranopia

57.0688, 55.8320, 79.0030



Tritanopia

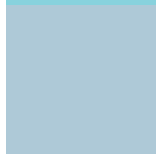
46.8445, 56.4103, 80.3708

Trichromacy



Original Color

46.2511, 56.5479, 76.8838



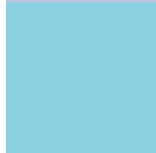
Protanomaly

50.6079, 55.6783, 72.3696



Deuteranomaly

52.4684, 55.8124, 78.5285



Tritanomaly

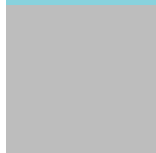
46.5715, 56.3011, 78.9336

Monochromacy



Original Color

46.2511, 56.5479, 76.8838



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

47.0864, 52.6956, 62.9479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2511, 56.5479, 76.8838 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(136, 210, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 210, 221)  
}
```

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(136, 210, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 210, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.2511, 56.5479, 76.8838 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(136, 210, 221) }
```


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

```
.border{ border-color:rgb(136, 210, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 210, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 210, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 210, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 210,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2511, 56.5479, 76.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 210, 221) }
```

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

```
.background{ background-color: rgb(136,  
210, 221) }
```

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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