

Converting Colors

XYZ(46.1898, 56.0893, 71.3427)

Have a look what the booklet for
XYZ(46.1898, 56.0893, 71.3427)
contains.

XYZ(46.3123, 56.3343, 71.3835)	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(46.3123, 56.3343,
71.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	90D1D5
RGB	144, 209, 213
RGB Percent	56%, 82%, 84%
CMY	0.4353, 0.1804, 0.1647
CMYK	0.32, 0.02, 0.00, 0.16
HSL	183°, 45%, 70%
HSV	183°, 32%, 84%
XYZ	46.3123, 56.3343, 71.3835
YIQ	190.0210, -40.0240, -12.5360

Conversions

Conversions Part 2

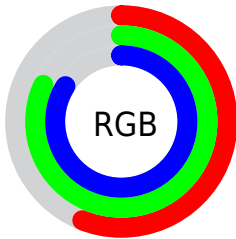
Format	Color
RYB	144, 177, 213
Decimal	9490901
CIELab	79.80, -19.50, -8.56
CIELCh	80, 21.296, 203.716
Yxy	56.3343, 0.2661, 0.3237
Android (android.graphics.Color)	4287680981 (0xFF90D1D5)
YUV	190.0210, 11.3286, -40.3604
Hunter-Lab	75.0562, -21.2075, -3.8495

Details

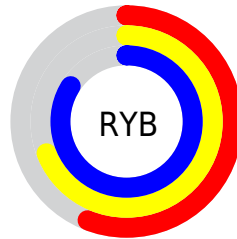
The XYZ color **46.3123, 56.3343, 71.3835** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.0653, 37.3401, 31.3244**, and the grayscale version is **48.9103, 51.4575, 56.0372**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **21.9436, 27.7535, 36.5482** is the 20% darker color. If you saturate the color by 10%, you get **42.6361, 53.9928, 71.1263**, and if you desaturate by 10%, it is **50.6960, 59.0468, 71.6770**.

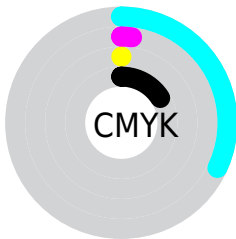
Distribution



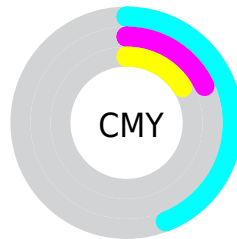
- Red (56%)
- Green (82%)
- Blue (84%)



- Red (56%)
- Yellow (69%)
- Blue (84%)



- Cyan (32%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (44%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3123, 56.3343, 71.3835 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 46.3123, 56.3343, 71.3835 by changing the saturation by 10% instead.


 46.3123, 56.3343,
71.3835


 46.3123, 56.3343,
71.3835

362.7577,
410.9501, 484.3127

 32.6980, 40.4710,
52.1715


 83.9112, 99.4932,
122.8792

 22.0533, 27.9060,
36.7586


 108.6265,
127.5576, 155.9999

 14.0129, 18.2548,
24.7263

137.7728,
160.4578, 194.5939

 8.2114, 11.1331,
15.6561

171.7156,
198.5783, 239.0798

 4.2835, 6.1564,
9.1294

210.8201,
242.3033, 289.8761

 1.8637, 2.9404,
4.7277

255.4517,

 0.5556, 1.1007,

292.0174, 347.4013

2.0325

305.9758,
348.1049, 412.0740

■ 0.0000, 0.0000,
0.5751

■ 0.0000, 0.0000,
0.0000

■ 46.3123, 56.3343,
71.3835

■ 46.3123, 56.3343,
71.3835

■ 42.6361, 53.9928,
71.1263

■ 50.6960, 59.0468,
71.6770

■ 39.6230, 51.9951,
70.8995

■ 55.8187, 62.1424,
72.0045

■ 37.2309, 50.3212,
70.7024

■ 61.7161, 65.6409,
72.3689

■ 35.4113, 48.9458,
70.5329

■ 68.4200, 69.5586,
72.7718

■ 34.1081, 47.8400,
70.3881

■ 75.9604, 73.9111,
73.2145

■ 33.2542, 46.9694,
70.2651

■ 77.9111, 75.3854,
73.3962

■ 32.8180, 46.4194,
70.1819

■ 78.2292, 76.0217,
73.5023

■ 78.5498, 76.6628,
73.6091

■ 78.8727, 77.3087,
73.7168

Harmonies

Analogous

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



45.7250, 56.3343, 58.7780



46.3123, 56.3343, 71.3835



48.7899, 56.3343, 82.5184

Triad

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



46.3123, 56.3343, 71.3835



60.5029, 56.3343, 76.4767



54.4560, 56.3343, 40.6499

Complementary

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



46.3123, 56.3343, 71.3835



43.0653, 37.3401, 31.3244

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.



58.5975, 56.3343, 44.1334



46.3123, 56.3343, 71.3835



62.2073, 56.3343, 63.9722

Square

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



46.3123, 56.3343, 71.3835



56.9453, 56.3343, 85.7238



61.4920, 56.3343, 52.2830



50.2810, 56.3343, 42.0808

Rectangle

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



46.3123, 56.3343, 71.3835



51.2547, 56.3343, 87.0451



61.4920, 56.3343, 52.2830



55.9006, 56.3343, 41.2681

Sweetspot

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



46.3140, 56.3365, 71.3848



85.8134, 94.5414, 108.3332



40.5988, 55.6396, 36.3903



18.1106, 20.0824, 23.1717



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.



46.3140, 56.3365, 71.3848



65.6227, 82.1417, 107.0040



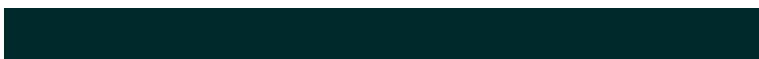
38.8527, 41.4141, 68.8977



12.7277, 13.9788, 15.9649



20.0727, 28.4073, 42.8784



1.2299, 1.7517, 2.5926

Inverse Universe

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



48.9238, 38.6974, 65.2149



70.1891, 51.7406, 96.1049



49.1934, 49.5964, 33.3671



12.9205, 12.6197, 15.5216



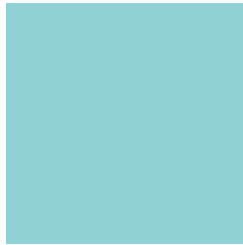
23.1907, 11.2126, 34.6376



1.4084, 0.6802, 2.1401

Previews

White Background



This preview shows how the XYZ color 46.3123, 56.3343, 71.3835 looks on a white background.

Color Contrast Check

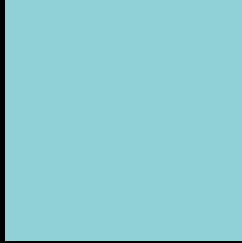
Large Text (above 18pt) WCAG AA × Fail

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 46.3123, 56.3343, 71.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

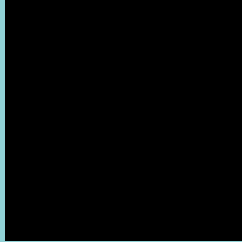
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3123, 56.3343, 71.3835

Background



This preview shows how black text looks on a background with the XYZ color 46.3123, 56.3343, 71.3835.



This preview shows how white text looks on a background with the XYZ color 46.3123, 56.3343,

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

46.3123, 56.3343, 71.3835

Protanopia

54.0481, 55.8934, 65.6975

Deuteranopia

57.1061, 55.9744, 73.4400



Tritanopia

47.8000, 56.2105, 78.8514

Trichromacy



Original Color

46.3123, 56.3343, 71.3835

Protanomaly

50.6319, 55.7923, 67.7749

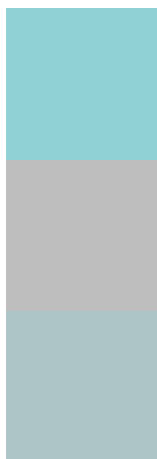
Deuteranomaly

52.3559, 55.5364, 72.9259

Tritanomaly

47.3282, 56.3900, 76.1001

Monochromacy



Original Color

46.3123, 56.3343, 71.3835

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.3929, 52.8940, 61.1378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3123, 56.3343, 71.3835 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(144, 209, 213)` looks like.

```
.text, #text, p{  
    color:rgb(144, 209, 213)  
}
```

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(144, 209, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 209, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.3123, 56.3343, 71.3835 is called "border". The border property can be set on classes, ids or directly on the HTML element.

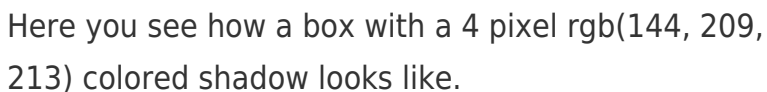
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 209, 213) }
```


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

```
.border{ border-color:rgb(144, 209, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(144, 209, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 209, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 209, 213);  
box-shadow:4px 4px 4px 4px rgb(144, 209,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3123, 56.3343, 71.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 209, 213) }
```

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

```
.background{ background-color: rgb(144,  
209, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor