

Converting Colors

XYZ(46.3680, 53.0258, 77.6032)

Have a look what the booklet for
XYZ(46.3680, 53.0258, 77.6032)
contains.

XYZ(46.3680, 53.0258, 77.6032)	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(46.3680, 53.0258,
77.6032)**

Conversions

Conversions Part 1

Format	Color
Hex	95C8DF
RGB	149, 200, 223
RGB Percent	58%, 78%, 87%
CMY	0.4157, 0.2157, 0.1255
CMYK	0.33, 0.10, 0.00, 0.13
HSL	199°, 54%, 73%
HSV	199°, 33%, 87%
XYZ	46.3680, 53.0258, 77.6032
YIQ	187.3730, -37.7790, -3.6590

Conversions

Conversions Part 2

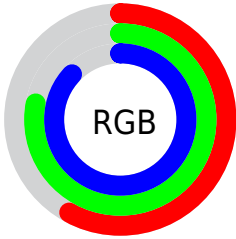
Format	Color
RYB	149, 179, 223
Decimal	9816287
CIELab	77.89, -11.09, -16.77
CIELCh	78, 20.107, 236.520
Yxy	53.0258, 0.2620, 0.2996
Android (android.graphics.Color)	4288006367 (0xFF95C8DF)
YUV	187.3730, 17.5641, -33.6531
Hunter-Lab	72.8188, -13.7715, -12.2123

Details

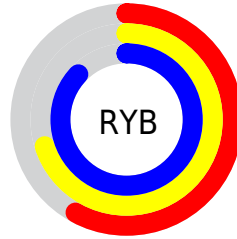
The XYZ color **46.3680, 53.0258, 77.6032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6097, 47.3637, 34.9099**, and the grayscale version is **47.3652, 49.8318, 54.2669**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **22.0661, 25.8178, 40.8661** is the 20% darker color. If you saturate the color by 10%, you get **41.1138, 47.9893, 76.9089**, and if you desaturate by 10%, it is **52.4772, 58.6136, 78.3607**.

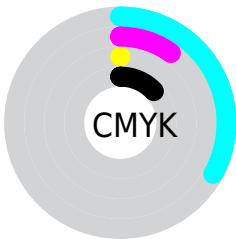
Distribution



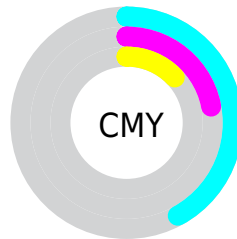
- Red (58%)
- Green (78%)
- Blue (87%)



- Red (58%)
- Yellow (70%)
- Blue (87%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (42%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3680, 53.0258, 77.6032 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 46.3680, 53.0258, 77.6032 by changing the saturation by 10% instead.

■ 46.3680, 53.0258,
77.6032

■ 46.3680, 53.0258,
77.6032

362.9773,
398.3841, 506.3104

■ 32.7422, 37.8234,
57.2336

■ 83.9940, 94.6423,
131.7714

■ 22.0873, 25.8456,
40.7822

■ 108.7248,
121.8252, 166.4070

■ 14.0380, 16.7082,
27.8305

137.8880,
153.7704, 206.6351

■ 8.2290, 10.0267,
17.9600

171.8490,
190.8622, 252.8741

■ 4.2949, 5.4166,
10.7521

210.9731,
233.4851, 305.5425

■ 1.8703, 2.4937,
5.7883

255.6256,

■ 0.5595, 0.8735,

282.0234, 365.0591

2.6501

306.1719,
336.8617, 431.8422

■ 0.0000, 0.0000,
0.9182

■ 0.0000, 0.0000,
0.0000

■ 46.3680, 53.0258,
77.6032

■ 46.3680, 53.0258,
77.6032

■ 41.1138, 47.9893,
76.9089

■ 52.4772, 58.6136,
78.3607

■ 36.6642, 43.4728,
76.2716

■ 59.4784, 64.7695,
79.1799

■ 32.9707, 39.4514,
75.6901

■ 67.4125, 71.5171,
80.0641

■ 29.9771, 35.8945,
75.1613

■ 76.3160, 78.8765,
81.0154

■ 27.6190, 32.7673,
74.6820

■ 84.1696, 85.8081,
81.9394

■ 25.8184, 30.0282,
74.2482

■ 86.1889, 89.8467,
82.6125

■ 24.8248, 28.3384,
73.9744

■ 88.2864, 94.0416,
83.3116

■ 90.3195, 98.1078,
83.9893

Harmonies

Analogous

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



43.9723, 53.0258, 67.8846



46.3680, 53.0258, 77.6032



49.9448, 53.0258, 81.9823

Triad

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



46.3680, 53.0258, 77.6032



58.2755, 53.0258, 59.0520



47.1192, 53.0258, 40.5462

Complementary

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



46.3680, 53.0258, 77.6032



50.6097, 47.3637, 34.9099

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.



50.8568, 53.0258, 38.8144



46.3680, 53.0258, 77.6032



57.4242, 53.0258, 48.6530

Square

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



46.3680, 53.0258, 77.6032



56.9282, 53.0258, 70.4359



54.6580, 53.0258, 41.5869



44.3900, 53.0258, 46.6627

Rectangle

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



46.3680, 53.0258, 77.6032



52.5657, 53.0258, 80.9153



54.6580, 53.0258, 41.5869



48.2935, 53.0258, 39.4691

Sweetspot

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



46.3696, 53.0279, 77.6044



83.8066, 90.5277, 107.6643



46.1531, 62.1140, 48.1862



17.6224, 19.1060, 23.0090



0.0000, 0.0000, 0.0000



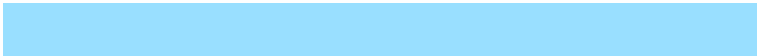
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3696, 53.0279, 77.6044



57.6546, 66.9279, 104.4874



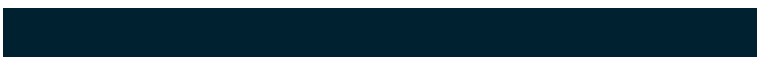
38.9548, 38.1982, 75.1328



13.7384, 14.8160, 17.5234



14.7014, 16.8723, 43.5302



1.0976, 1.3268, 3.0435

Inverse Universe

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



51.6056, 41.3545, 59.9081



65.9909, 49.3864, 76.0784



58.4620, 63.0684, 37.5274



14.1042, 13.8593, 16.3189



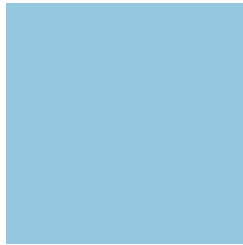
21.3608, 10.6113, 19.0974



1.5203, 0.7514, 1.5327

Previews

White Background



This preview shows how the XYZ color 46.3680, 53.0258, 77.6032 looks on a white background.

Color Contrast Check

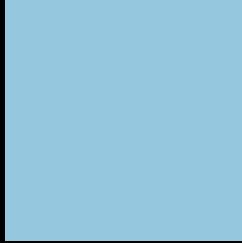
Large Text (above 18pt) WCAG AA × Fail

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 46.3680, 53.0258, 77.6032 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 46.3680, 53.0258, 77.6032

Background



This preview shows how black text looks on a background with the XYZ color 46.3680, 53.0258, 77.6032.



This preview shows how white text looks on a background with the XYZ color 46.3680, 53.0258,

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

46.3680, 53.0258, 77.6032

Protanopia

51.6769, 52.5280, 73.0609

Deuteranopia

53.7459, 52.5010, 79.2525



Tritanopia

45.6238, 53.0789, 73.4863

Trichromacy



Original Color

46.3680, 53.0258, 77.6032

Protanomaly

49.5335, 52.6967, 74.5786

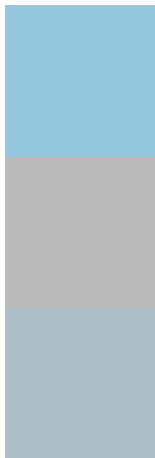
Deuteranomaly

50.8003, 52.6005, 78.7096

Tritanomaly

45.8856, 53.1837, 74.8649

Monochromacy



Original Color

46.3680, 53.0258, 77.6032

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5085, 50.7536, 61.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3680, 53.0258, 77.6032 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(149, 200, 223)` looks like.

```
.text, #text, p{  
    color:rgb(149, 200, 223)  
}
```

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(149, 200, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 200, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.3680, 53.0258, 77.6032 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(149, 200, 223) }
```


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

```
.border{ border-color:rgb(149, 200, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 200, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 200, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 200, 223);  
box-shadow:4px 4px 4px 4px rgb(149, 200,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3680, 53.0258, 77.6032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 200, 223) }
```

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

```
.background{ background-color: rgb(149,  
200, 223) }
```

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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