

Converting Colors

XYZ(47.0667, 53.4571, 77.2727)

Have a look what the booklet for
XYZ(47.0667, 53.4571, 77.2727)
contains.

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Color

**XYZ(46.9760, 53.3548,
76.9298)**

Conversions

Conversions Part 1

Format	Color
Hex	99C8DE
RGB	153, 200, 222
RGB Percent	60%, 78%, 87%
CMY	0.4000, 0.2157, 0.1294
CMYK	0.31, 0.10, 0.00, 0.13
HSL	199°, 51%, 74%
HSV	199°, 31%, 87%
XYZ	46.9760, 53.3548, 76.9298
YIQ	188.4550, -35.0740, -3.1220

Conversions

Conversions Part 2

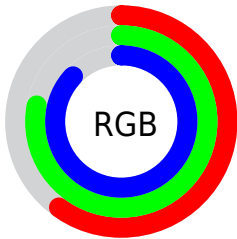
Format	Color
R _{YB}	153, 181, 222
Decimal	10078430
CIE Lab	78.08, -10.21, -15.92
CIE LCh	78, 18.913, 237.313
Yxy	53.3548, 0.2650, 0.3010
Android (android.graphics.Color)	4288268510 (0xFF99C8DE)
YUV	188.4550, 16.5377, -31.0940
Hunter-Lab	73.0444, -13.0314, -11.3127

Details

The XYZ color **46.9760, 53.3548, 76.9298** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.2048, 48.4901, 36.7992**, and the grayscale version is **47.9832, 50.4820, 54.9749**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.5095, 26.0571, 40.4024** is the 20% darker color. If you saturate the color by 10%, you get **41.5682, 48.1908, 76.2190**, and if you desaturate by 10%, it is **53.2425, 59.0767, 77.7049**.

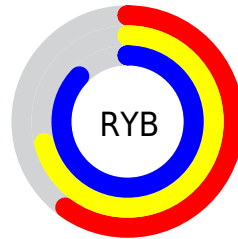
Distribution



Red (60%)

Green (78%)

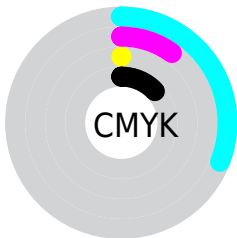
Blue (87%)



Red (60%)

Yellow (71%)

Blue (87%)

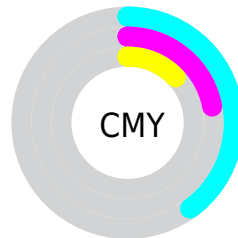


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (13%)



Cyan (40%)

Magenta (22%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9760, 53.3548, 76.9298 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 46.9760, 53.3548, 76.9298 by changing the saturation by 10% instead.

■ 46.9760, 53.3548,
76.9298

■ 46.9760, 53.3548,
76.9298

365.3692,
399.6449, 503.9560

■ 33.2246, 38.0861,
56.6840

■ 84.8968, 95.1262,
130.8125

■ 22.4586, 26.0495,
40.3440

■ 109.7968,
122.3978, 165.2865

■ 14.3127, 16.8607,
27.4910

139.1437,
154.4390, 205.3403

■ 8.4216, 10.1352,
17.7066

173.3029,
191.6344, 251.3926

■ 4.4200, 5.4887,
10.5723

212.6397,
234.3682, 303.8617

■ 1.9424, 2.5368,
5.6695

257.5194,

■ 0.6013, 0.8950,

283.0250, 363.1663

2.5797

308.3075,
337.9891, 429.7248

■ 0.0000, 0.0000,
0.8819

■ 0.0000, 0.0000,
0.0000

■ 46.9760, 53.3548,
76.9298

■ 46.9760, 53.3548,
76.9298

■ 41.5682, 48.1908,
76.2190

■ 53.2425, 59.0767,
77.7049

■ 36.9699, 43.5540,
75.5663

■ 60.4037, 65.3726,
78.5427

■ 33.1341, 39.4199,
74.9706

■ 68.4994, 72.2660,
79.4465

■ 30.0067, 35.7591,
74.4288

■ 77.5657, 79.7766,
80.4184

■ 27.5258, 32.5380,
73.9378

■ 84.2458, 86.1755,
81.3014

■ 25.6176, 29.7169,
73.4938

■ 86.3172, 90.3184,
81.9919

■ 24.2877, 27.4794,
73.1321

■ 88.4702, 94.6244,
82.7096

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



44.6655, 53.3548, 67.9260



46.9760, 53.3548, 76.9298



50.3802, 53.3548, 80.8483

Triad

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



46.9760, 53.3548, 76.9298



58.1350, 53.3548, 59.0522



47.5256, 53.3548, 41.8451

Complementary

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



46.9760, 53.3548, 76.9298



51.2048, 48.4901, 36.7992

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.



51.0455, 53.3548, 40.0685



46.9760, 53.3548, 76.9298



57.2813, 53.3548, 49.2602

Square

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



46.9760, 53.3548, 76.9298



56.9212, 53.3548, 69.7739



54.6413, 53.3548, 42.6153



44.9718, 53.3548, 47.7967

Rectangle

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



46.9760, 53.3548, 76.9298



52.8531, 53.3548, 79.7337



54.6413, 53.3548, 42.6153



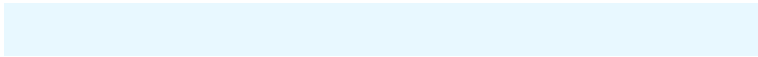
48.6298, 53.3548, 40.7738

Sweetspot

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



46.9776, 53.3569, 76.9310



84.8150, 91.3243, 107.7649



46.9825, 62.1052, 49.9929



17.8213, 19.2607, 23.0284



0.0000, 0.0000, 0.0000



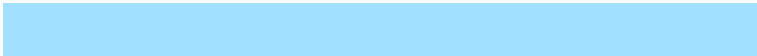
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9776, 53.3569, 76.9310



59.5811, 68.5679, 104.7024



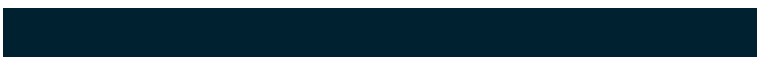
39.8957, 39.1931, 74.5704



13.7289, 14.7969, 17.5202



14.5305, 16.5306, 43.4733



1.0868, 1.3050, 3.0399

Inverse Universe

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



51.9421, 42.4837, 60.1084



67.5035, 52.0594, 77.6675



58.7615, 63.6035, 39.3181



14.0994, 13.8574, 16.2934



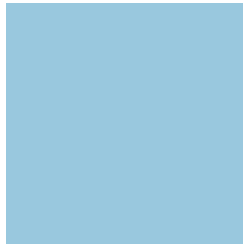
21.2745, 10.5768, 18.6433



1.5148, 0.7492, 1.5039

Previews

White Background



This preview shows how the XYZ color 46.9760, 53.3548, 76.9298 looks on a white background.

Color Contrast Check

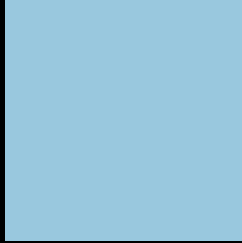
Large Text (above 18pt) WCAG AA × Fail

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 46.9760, 53.3548, 76.9298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

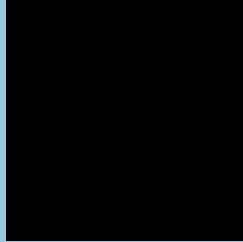
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9760, 53.3548, 76.9298

Background



This preview shows how black text looks on a background with the XYZ color 46.9760, 53.3548, 76.9298.



This preview shows how white text looks on a background with the XYZ color 46.9760, 53.3548,

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

46.9760, 53.3548, 76.9298

Protanopia

52.0117, 53.0383, 72.4618

Deuteranopia

54.3388, 53.1384, 78.6269



Tritanopia

46.3599, 53.4584, 73.5207

Trichromacy



Original Color

46.9760, 53.3548, 76.9298

Protanomaly

49.8512, 52.8756, 73.9082

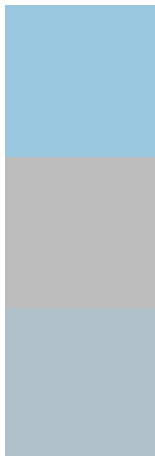
Deuteranomaly

51.1266, 52.7844, 78.0148

Tritanomaly

46.6217, 53.5632, 74.8993

Monochromacy



Original Color

46.9760, 53.3548, 76.9298

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9542, 50.9834, 62.0096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9760, 53.3548, 76.9298 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(153, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 222)  
}
```

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(153, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.9760, 53.3548, 76.9298 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(153, 200, 222) }
```


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

```
.border{ border-color:rgb(153, 200, 222) }
```

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

Here you see how a box with a 4 pixel rgb(153, 200, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 222);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9760, 53.3548, 76.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 222) }
```

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

```
.background{ background-color: rgb(153,  
200, 222) }
```

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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