

Converting Colors

XYZ(46.1858, 53.0387, 72.7690)

Have a look what the booklet for
XYZ(46.1858, 53.0387, 72.7690)
contains.

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Color

**XYZ(46.1858, 53.0387,
72.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	99C8D8
RGB	153, 200, 216
RGB Percent	60%, 78%, 85%
CMY	0.4000, 0.2157, 0.1529
CMYK	0.29, 0.07, 0.00, 0.15
HSL	195°, 45%, 72%
HSV	195°, 29%, 85%
XYZ	46.1858, 53.0387, 72.7690
YIQ	187.7710, -33.1480, -4.9880

Conversions

Conversions Part 2

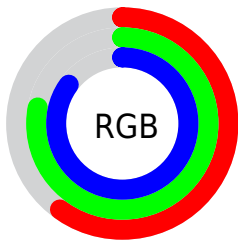
Format	Color
RYB	153, 180, 216
Decimal	10078424
CIELab	77.90, -11.64, -12.97
CIElCh	78, 17.426, 228.087
Yxy	53.0387, 0.2685, 0.3084
Android (android.graphics.Color)	4288268504 (0xFF99C8D8)
YUV	187.7710, 13.9169, -30.4942
Hunter-Lab	72.8277, -14.2474, -8.2629

Details

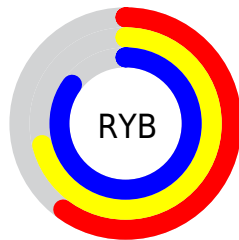
The XYZ color **46.1858, 53.0387, 72.7690** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2574, 45.2752, 36.3338**, and the grayscale version is **47.6083, 50.0877, 54.5455**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **21.9674, 25.8403, 37.5481** is the 20% darker color. If you saturate the color by 10%, you get **41.2249, 48.6303, 72.1805**, and if you desaturate by 10%, it is **51.9335, 57.9229, 73.4097**.

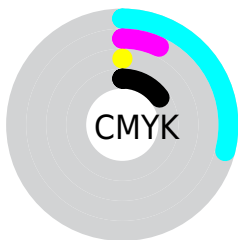
Distribution



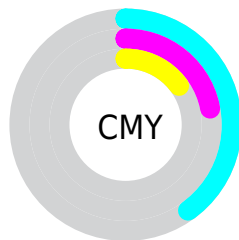
- Red (60%)
- Green (78%)
- Blue (85%)



- Red (60%)
- Yellow (71%)
- Blue (85%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1858, 53.0387, 72.7690 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 46.1858, 53.0387, 72.7690 by changing the saturation by 10% instead.

■ 46.1858, 53.0387,
72.7690

■ 46.1858, 53.0387,
72.7690

362.2586,
398.4336, 489.2631

■ 32.5977, 37.8337,
53.2964

■ 83.7232, 94.6613,
124.8671

■ 21.9762, 25.8536,
37.6501

■ 108.4031,
121.8477, 158.3297

■ 13.9559, 16.7142,
25.4115

137.5111,
153.7966, 197.2927

■ 8.1715, 10.0309,
16.1621

171.4125,
190.8925, 242.1747

■ 4.2576, 5.4195,
9.4833

210.4725,
233.5198, 293.3942

■ 1.8489, 2.4954,
4.9567

255.0566,

■ 0.5469, 0.8743,

282.0628, 351.3697

2.1636

305.5302,
336.9059, 416.5199

■ 0.0000, 0.0000,
0.6532

■ 0.0000, 0.0000,
0.0000

■ 46.1858, 53.0387,
72.7690

■ 46.1858, 53.0387,
72.7690

■ 41.2249, 48.6303,
72.1805

■ 51.9335, 57.9229,
73.4097

■ 37.0056, 44.6700,
71.6384

■ 58.5004, 63.2965,
74.1008

■ 33.4854, 41.1363,
71.1419

■ 65.9231, 69.1803,
74.8453

■ 30.6155, 38.0033,
70.6884

■ 74.2342, 75.5917,
75.6448

■ 28.3400, 35.2416,
70.2753

■ 81.2214, 81.3911,
76.3959

■ 26.5933, 32.8166,
69.8993

■ 82.7494, 84.4471,
76.9052

■ 25.2689, 30.6725,
69.5552

■ 84.3257, 87.5997,
77.4306

■ 25.1661, 30.5004,
69.5274

■ 85.9507, 90.8496,
77.9723

■ 87.6248, 94.1978,
78.5303

Harmonies

Analogous

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



44.4717, 53.0387, 63.7353



46.1858, 53.0387, 72.7690



49.0794, 53.0387, 77.9865

Triad

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



46.1858, 53.0387, 72.7690



57.0552, 53.0387, 61.6860



48.4170, 53.0387, 41.7748

Complementary

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



46.1858, 53.0387, 72.7690



48.2574, 45.2752, 36.3338

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.



51.7679, 53.0387, 41.3574



46.1858, 53.0387, 72.7690



56.8584, 53.0387, 52.1519

Square

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



46.1858, 53.0387, 72.7690



55.4143, 53.0387, 71.1249



54.8878, 53.0387, 44.9545



45.7196, 53.0387, 46.1669

Rectangle

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



46.1858, 53.0387, 72.7690



51.3332, 53.0387, 78.2510



54.8878, 53.0387, 44.9545



49.5012, 53.0387, 41.1845

Sweetspot

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



46.1874, 53.0408, 72.7702



85.2739, 92.2420, 107.9178



44.8318, 58.7403, 46.3895



17.9347, 19.4876, 23.0662



0.0000, 0.0000, 0.0000



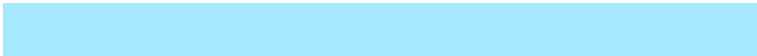
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1874, 53.0408, 72.7702



62.6749, 73.2027, 105.4340



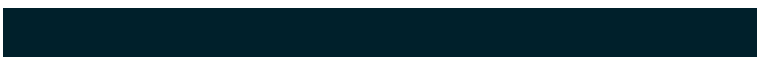
39.6742, 40.0144, 70.5992



12.5128, 13.5490, 15.8932



14.9860, 18.2337, 41.1828



0.9683, 1.2285, 2.5054

Inverse Universe

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



50.1368, 41.5528, 60.0239



69.4441, 54.2870, 83.4129



54.7819, 58.3244, 38.5086



12.8120, 12.5763, 14.9504



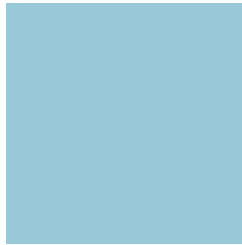
20.6231, 10.1856, 21.1170



1.2764, 0.6273, 1.4448

Previews

White Background



This preview shows how the XYZ color 46.1858, 53.0387, 72.7690 looks on a white background.

Color Contrast Check

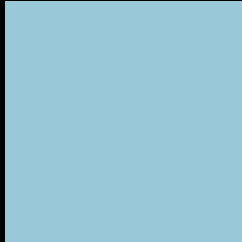
Large Text (above 18pt) WCAG AA × Fail

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 46.1858, 53.0387, 72.7690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

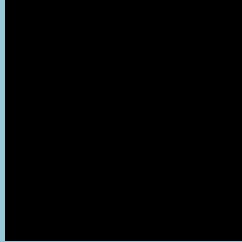
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1858, 53.0387, 72.7690

Background



This preview shows how black text looks on a background with the XYZ color 46.1858, 53.0387, 72.7690.



This preview shows how white text looks on a background with the XYZ color 46.1858, 53.0387,

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

46.1858, 53.0387, 72.7690

Protanopia

51.4989, 52.8619, 68.4619

Deuteranopia

53.8452, 52.6609, 74.3445



Tritanopia

46.1858, 53.0387, 72.7690

Trichromacy



Original Color

46.1858, 53.0387, 72.7690

Protanomaly

49.3069, 52.6842, 69.8577

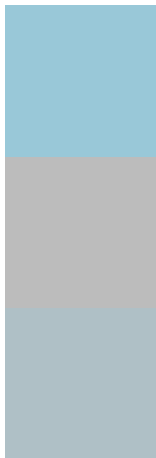
Deuteranomaly

50.7959, 52.7063, 73.8258

Tritanomaly

46.1858, 53.0387, 72.7690

Monochromacy



Original Color

46.1858, 53.0387, 72.7690

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.7219, 50.8905, 60.7864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1858, 53.0387, 72.7690 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 216) }
```

Border

The CSS property to change the border of an element to XYZ 46.1858, 53.0387, 72.7690 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, 216) }
```


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

```
.border{ border-color:rgb(153, 200, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1858, 53.0387, 72.7690 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, 216) }
```

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

```
.background{ background-color: rgb(153,  
200, 216) }
```

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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