

Converting Colors

XYZ(48.3533, 68.3482, 80.7127)

Have a look what the booklet for
XYZ(48.3533, 68.3482, 80.7127)
contains.

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Color

**XYZ(48.3228, 68.3290,
80.4540)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5FEDDF |
| RGB | 95, 237, 223 |
| RGB Percent | 37%, 93%, 87% |
| CMY | 0.6274, 0.0706, 0.1255 |
| CMYK | 0.60, 0.00, 0.06, 0.07 |
| HSL | 174°, 80%, 65% |
| HSV | 174°, 60%, 93% |
| XYZ | 48.3228, 68.3290, 80.4540 |
| YIQ | 192.9460, -80.1380, -34.4580 |

Conversions

Conversions Part 2

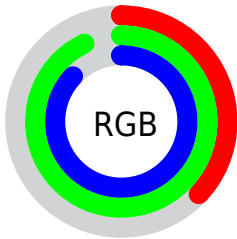
| Format | Color |
|-------------------------------------|--|
| RYB | 95, 170, 237 |
| Decimal | 6286815 |
| CIELab | 86.17, -41.33, -4.66 |
| CIELCh | 86, 41.589, 186.426 |
| Yxy | 68.3290, 0.2452, 0.3467 |
| Android (android.graphics.Color) | 4284476895 (0xFF5FEDDF) |
| YUV | 192.9460, 14.8166, -85.8986 |
| Hunter-Lab | 82.6614, -40.3085, 0.1562 |

Details

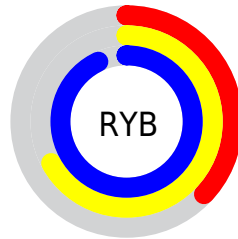
The XYZ color **48.3228, 68.3290, 80.4540** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **41.7799, 27.2951, 17.5368**, and the grayscale version is **50.6083, 53.2438, 57.9825**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **23.3891, 35.4697, 42.6594** is the 20% darker color. If you saturate the color by 10%, you get **45.9128, 67.1244, 78.7091**, and if you desaturate by 10%, it is **51.4897, 69.9266, 82.2601**.

Distribution



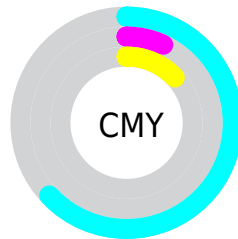
- Red (37%)
- Green (93%)
- Blue (87%)



- Red (37%)
- Yellow (67%)
- Blue (93%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (63%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3228, 68.3290, 80.4540 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 48.3228, 68.3290, 80.4540 by changing the saturation by 10% instead.


 48.3228, 68.3290,
80.4540


 48.3228, 68.3290,
80.4540


370.6315,
454.6608, 516.2086


 34.2949, 50.1654,
59.5637


 86.8916, 116.8227,
135.8210


 23.2842, 35.5449,
42.6440


 112.1632,
147.9216, 171.1347

 14.9254, 24.0829,
29.2766


 141.9135,
184.1011, 212.0934

 8.8530, 15.3951,
19.0428

 176.5077,
225.7455, 259.1154

 4.7018, 9.0972,
11.5241

216.3113,
273.2393, 312.6194

 2.1063, 4.8046,
6.3019

261.6895,

 0.6926, 2.1331,

326.9669, 373.0239

2.9578

313.0078,
387.3126, 440.7475

■ 0.0000, 0.6831,
1.0731

■ 0.0000, 0.0000,
0.0000

■ 48.3228, 68.3290,
80.4540

■ 48.3228, 68.3290,
80.4540

■ 45.9128, 67.1244,
78.7091

■ 51.4897, 69.9266,
82.2601

■ 44.1835, 66.2685,
77.0171


■ 55.4692, 71.9409,
84.1255


■ 43.0532, 65.7210,
75.3757


■ 60.3185, 74.4031,
86.0545

■ 42.3812, 65.4093,
73.7781


■ 66.0878, 77.3391,
88.0495


 42.3761, 65.4069,
73.7644

 72.8238, 80.7729,
90.1129

 80.5697, 84.7269,
92.2466

 87.1587, 88.0839,
94.3495

 87.5070, 88.2233,
96.1836

 87.8598, 88.3644,
98.0413

Harmonies

Analogous

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



49.4981, 68.3290, 55.2517



48.3228, 68.3290, 80.4540



51.2364, 68.3290, 110.2802

Triad

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



48.3228, 68.3290, 80.4540



76.4943, 68.3290, 125.3628



72.5846, 68.3290, 35.7983

Complementary

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



48.3228, 68.3290, 80.4540



41.7799, 27.2951, 17.5368

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.



80.9028, 68.3290, 47.2903



48.3228, 68.3290, 80.4540



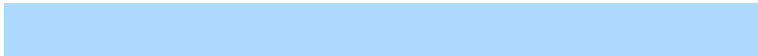
83.3107, 68.3290, 97.5253

Square

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



48.3228, 68.3290, 80.4540



67.0260, 68.3290, 140.0087



84.9982, 68.3290, 68.6551



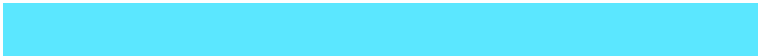
62.9069, 68.3290, 33.3590

Rectangle

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



48.3228, 68.3290, 80.4540



55.2917, 68.3290, 127.5058



84.9982, 68.3290, 68.6551



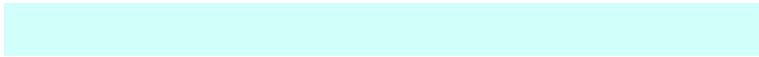
75.6604, 68.3290, 38.5643

Sweetspot

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



48.3248, 68.3316, 80.4556



79.4125, 92.0218, 104.4091



38.6832, 64.6612, 21.2701



16.5337, 19.4602, 22.1978



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.



48.3248, 68.3316, 80.4556



53.6588, 78.9831, 92.4579



36.3693, 41.2732, 86.1734



15.4499, 17.0948, 19.0521



23.1626, 35.7195, 40.4167



1.8374, 2.8123, 3.2715

Inverse Universe

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



41.7799, 27.2951, 17.5368



45.3432, 26.5473, 12.2969



48.1889, 41.2249, 16.2454



15.1258, 15.0782, 15.9478



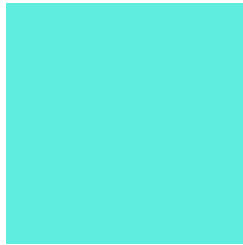
19.1758, 9.8730, 1.4610



1.5262, 0.7834, 0.2224

Previews

White Background



This preview shows how the XYZ color 48.3228, 68.3290, 80.4540 looks on a white background.

Color Contrast Check

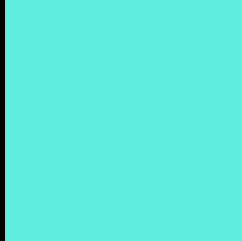
Large Text (above 18pt) WCAG AA × Fail

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 48.3228, 68.3290, 80.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

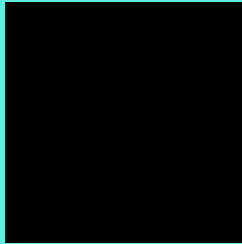
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

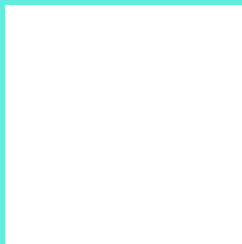
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3228, 68.3290, 80.4540

Background



This preview shows how black text looks on a background with the XYZ color 48.3228, 68.3290, 80.4540.

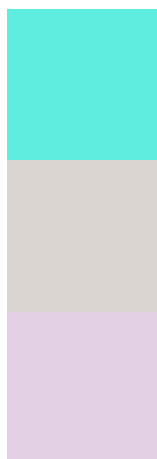


This preview shows how white text looks on a background with the XYZ color 48.3228, 68.3290,

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

48.3228, 68.3290, 80.4540

Protanopia

64.5163, 67.2520, 69.9022

Deuteranopia

68.6936, 67.2629, 83.4912



Tritanopia

52.7730, 68.4319, 102.5227

Trichromacy



Original Color

48.3228, 68.3290, 80.4540



Protanomaly

55.7144, 66.0963, 73.4397



Deuteranomaly

58.0190, 65.9124, 82.3375



Tritanomaly

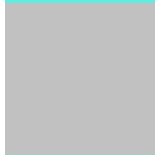
50.8935, 68.0801, 93.6775

Monochromacy



Original Color

48.3228, 68.3290, 80.4540



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.6042, 57.1287, 65.6447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3228, 68.3290, 80.4540 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(95, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(95, 237, 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(95, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 237, 223) }
```

Border

The CSS property to change the border of an element to XYZ 48.3228, 68.3290, 80.4540 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(95, 237, 223) }
```


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

```
.border{ border-color:rgb(95, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(95, 237,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3228, 68.3290, 80.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 237, 223) }
```

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

```
.background{ background-color: rgb(95, 237,  
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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