

Converting Colors

XYZ(48.5833, 48.2894, 89.3803)

Have a look what the booklet for
XYZ(48.5833, 48.2894, 89.3803)
contains.

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Color

**XYZ(48.5980, 48.3737,
89.2137)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B7F0
RGB	167, 183, 240
RGB Percent	65%, 72%, 94%
CMY	0.3451, 0.2823, 0.0588
CMYK	0.30, 0.24, 0.00, 0.06
HSL	227°, 71%, 80%
HSV	227°, 30%, 94%
XYZ	48.5980, 48.3737, 89.2137
YIQ	184.7140, -27.8330, 14.3350

Conversions

Conversions Part 2

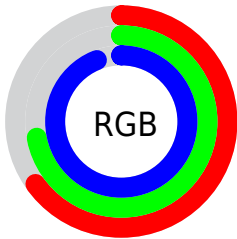
Format	Color
RYB	167, 180, 240
Decimal	10991600
CIELab	75.06, 7.32, -30.15
CIELCh	75, 31.024, 283.645
Yxy	48.3737, 0.2610, 0.2598
Android (android.graphics.Color)	4289181680 (0xFFA7B7F0)
YUV	184.7140, 27.2560, -15.5352
Hunter-Lab	69.5512, 3.0099, -27.3658

Details

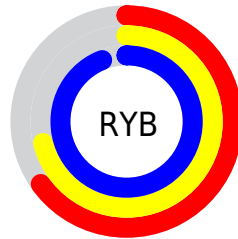
The XYZ color **48.5980, 48.3737, 89.2137** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.5668, 74.6274, 47.2988**, and the grayscale version is **45.8211, 48.2074, 52.4978**.

A 20% lighter version of the original color is **79.3479, 84.6410, 106.7630**, and **23.4444, 22.9367, 48.5390** is the 20% darker color. If you saturate the color by 10%, you get **40.3793, 38.7767, 87.7953**, and if you desaturate by 10%, it is **58.2754, 59.4887, 90.8499**.

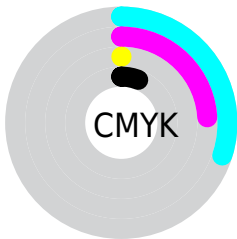
Distribution



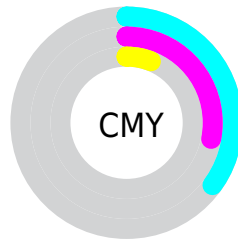
- Red (65%)
- Green (72%)
- Blue (94%)



- Red (65%)
- Yellow (71%)
- Blue (94%)



- Cyan (30%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (35%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5980, 48.3737, 89.2137 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 48.5980, 48.3737, 89.2137 by changing the saturation by 10% instead.

■ 48.5980, 48.3737,
89.2137

■ 48.5980, 48.3737,
89.2137

371.7008,
380.2715, 545.9737

■ 34.5139, 34.1229,
66.7586

■ 87.2984, 87.7605,
148.1717

■ 23.4534, 22.9880,
48.4281

■ 112.6455,
113.6654, 185.5117

■ 15.0512, 14.5847,
33.8037

142.4775,
144.2237, 228.6504

■ 8.9419, 8.5284,
22.4667

177.1600,
179.8200, 278.0063

■ 4.7601, 4.4349,
13.9986

217.0582,
220.8384, 333.9981

■ 2.1405, 1.9197,
7.9810

262.5375,

■ 0.7111, 0.5602,

267.6636, 397.0442

3.9952

313.9633,
320.6798, 467.5632

■ 0.0000, 0.0000,
1.6227

■ 0.0000, 0.0000,
0.3069

■ 48.5980, 48.3737,
89.2137

■ 48.5980, 48.3737,
89.2137

■ 40.3793, 38.7767,
87.7953

■ 58.2754, 59.4887,
90.8499

■ 33.5422, 30.6249,
86.5822

■ 69.4738, 72.1791,
92.7092

■ 28.0096, 23.8476,
85.5657

■ 82.2578, 86.5059,
94.8007

■ 23.6944, 18.3657,
84.7350

■ 92.7283, 99.0713,
96.6742

■ 20.4986, 14.0914,
84.0784

■ 18.3075, 10.9250,
83.5827

■ 16.9835, 8.8017,
83.2426

Harmonies

Analogous

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



42.9755, 48.3737, 88.6717



48.5980, 48.3737, 89.2137



53.9206, 48.3737, 78.6507

Triad

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



48.5980, 48.3737, 89.2137



54.3271, 48.3737, 33.9256



36.2896, 48.3737, 44.3585

Complementary

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



48.5980, 48.3737, 89.2137



69.5668, 74.6274, 47.2988

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.



38.8559, 48.3737, 33.1527



48.5980, 48.3737, 89.2137



49.1167, 48.3737, 28.0317

Square

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



48.5980, 48.3737, 89.2137



57.4074, 48.3737, 45.6428



43.4534, 48.3737, 27.7814



36.1758, 48.3737, 60.3854

Rectangle

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



48.5980, 48.3737, 89.2137



56.4555, 48.3737, 67.7838



43.4534, 48.3737, 27.7814



36.8839, 48.3737, 39.9896

Sweetspot

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



48.5996, 48.3756, 89.2148



81.6524, 84.9991, 106.7107



60.4125, 75.8626, 81.2485



17.0436, 17.7054, 22.7691



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.



48.5996, 48.3756, 89.2148



50.1951, 49.0273, 101.4254



49.9116, 44.4280, 88.3837



15.1782, 15.7904, 19.9695



9.3768, 4.9779, 45.5945



0.8514, 0.5567, 3.8168

Inverse Universe

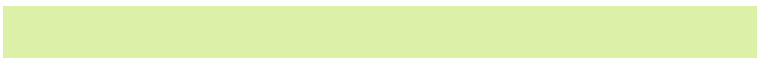
The Inverse Universe completely reimagines the original color for something new.



58.3025, 49.5832, 51.2993



62.9535, 50.9578, 51.4931



67.8131, 80.4102, 48.5074



15.9146, 15.8156, 17.1066



20.0586, 10.2959, 2.9593



1.7047, 0.8709, 0.4357

Previews

White Background



This preview shows how the XYZ color 48.5980, 48.3737, 89.2137 looks on a white background.

Color Contrast Check

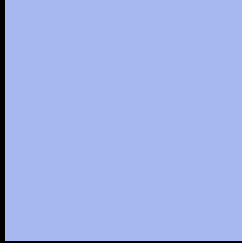
Large Text (above 18pt) WCAG AA × Fail

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 48.5980, 48.3737, 89.2137 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 48.5980, 48.3737, 89.2137

Background



This preview shows how black text looks on a background with the XYZ color 48.5980, 48.3737, 89.2137.



This preview shows how white text looks on a background with the XYZ color 48.5980, 48.3737,

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

48.5980, 48.3737, 89.2137

Protanopia

48.8183, 48.1822, 89.1652

Deuteranopia

49.2653, 48.1097, 89.1276



Tritanopia

43.5151, 48.1739, 64.7626

Trichromacy



Original Color

48.5980, 48.3737, 89.2137

Protanomaly

48.6046, 48.0720, 89.1552

Deuteranomaly

49.0337, 48.2932, 89.1752

Tritanomaly

45.3255, 48.2840, 73.2605

Monochromacy



Original Color

48.5980, 48.3737, 89.2137

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.5200, 48.1537, 64.6003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5980, 48.3737, 89.2137 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(167, 183, 240)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 240)  
}
```

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(167, 183, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 240) }
```

Border

The CSS property to change the border of an element to XYZ 48.5980, 48.3737, 89.2137 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(167, 183, 240) }
```


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

```
.border{ border-color:rgb(167, 183, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 183, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 240);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5980, 48.3737, 89.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 240) }
```

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

```
.background{ background-color: rgb(167,  
183, 240) }
```

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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