

Converting Colors

XYZ(33.6097, 40.9519, 54.7991)

Have a look what the booklet for
XYZ(33.6097, 40.9519, 54.7991)
contains.

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Color

**XYZ(33.7679, 41.1667,
54.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	78B6BE
RGB	120, 182, 190
RGB Percent	47%, 71%, 75%
CMY	0.5294, 0.2863, 0.2549
CMYK	0.37, 0.04, 0.00, 0.25
HSL	187°, 35%, 61%
HSV	187°, 37%, 75%
XYZ	33.7679, 41.1667, 54.8814
YIQ	164.3740, -39.5200, -10.6560

Conversions

Conversions Part 2

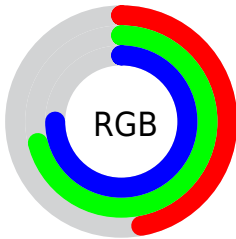
Format	Color
RYB	120, 153, 190
Decimal	7911102
CIELab	70.29, -17.82, -10.39
CIElCh	70, 20.629, 210.230
Yxy	41.1667, 0.2601, 0.3171
Android (android.graphics.Color)	4286101182 (0xFF78B6BE)
YUV	164.3740, 12.6336, -38.9160
Hunter-Lab	64.1613, -18.3382, -5.8018

Details

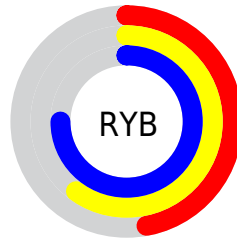
The XYZ color **33.7679, 41.1667, 54.8814** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3450, 27.7419, 21.4201**, and the grayscale version is **35.4209, 37.2655, 40.5822**.

A 20% lighter version of the original color is **64.8883, 76.9169, 98.6152**, and **14.6804, 18.6999, 26.5026** is the 20% darker color. If you saturate the color by 10%, you get **30.9490, 39.0596, 54.6240**, and if you desaturate by 10%, it is **37.1190, 43.5604, 55.1675**.

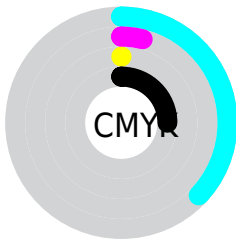
Distribution



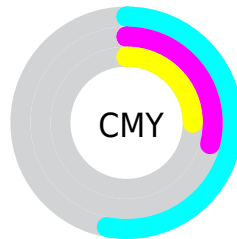
- Red (47%)
- Green (71%)
- Blue (75%)



- Red (47%)
- Yellow (60%)
- Blue (75%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (53%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7679, 41.1667, 54.8814 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 33.7679, 41.1667, 54.8814 by changing the saturation by 10% instead.

■ 33.7679, 41.1667,
54.8814

■ 33.7679, 41.1667,
54.8814

310.7000,
351.0169, 422.7315

■ 22.8774, 28.4494,
38.9088

■ 64.9193, 76.9369,
98.8366

■ 14.6232, 18.6647,
26.3815

■ 85.9108, 100.7585,
127.6562

■ 8.6400, 11.4282,
16.8809

■ 111.0001,
129.0504, 161.5954

■ 4.5623, 6.3556,
9.9886

140.5525,
162.1969, 201.0725

■ 2.0249, 3.0625,
5.2859

174.9333,
200.5824, 246.5061

■ 0.6479, 1.1645,
2.3543

214.5080,

■ 0.0000, 0.0324,

244.5913, 298.3148

0.7614

259.6418,
294.6080, 356.9170

■ 0.0000, 0.0000,
0.0000

■ 33.7679, 41.1667,
54.8814

■ 33.7679, 41.1667,
54.8814

■ 30.9490, 39.0596,
54.6240

■ 37.1190, 43.5604,
55.1675

■ 28.6274, 37.2180,
54.3909

■ 41.0272, 46.2506,
55.4808

■ 26.7701, 35.6259,
54.1815

■ 45.5202, 49.2526,
55.8234

■ 25.3382, 34.2633,
53.9939

■ 50.6227, 52.5791,
56.1966

■ 24.2864, 33.1066,
53.8261

■ 56.3582, 56.2424,
56.6014

■ 23.5534, 32.1243,
53.6751

■ 62.7487, 60.2538,
57.0388

■ 23.3511, 31.8311,
53.6292

■ 69.8153, 64.6243,
57.5100

■ 71.0432, 65.9953,
57.7099

■ 71.5475, 67.0039,
57.8780

Harmonies

Analogous

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



32.9718, 41.1667, 44.8983



33.7679, 41.1667, 54.8814



35.9834, 41.1667, 63.0341

Triad

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



33.7679, 41.1667, 54.8814



45.0553, 41.1667, 54.7333



39.1016, 41.1667, 28.6442

Complementary

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



33.7679, 41.1667, 54.8814



32.3450, 27.7419, 21.4201

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.



42.4501, 41.1667, 30.5088



33.7679, 41.1667, 54.8814



46.0058, 41.1667, 44.7488

Square

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



33.7679, 41.1667, 54.8814



42.4979, 41.1667, 62.9403



45.0266, 41.1667, 36.0763



35.9406, 41.1667, 30.5667

Rectangle

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



33.7679, 41.1667, 54.8814



38.0333, 41.1667, 65.8236



45.0266, 41.1667, 36.0763



40.2429, 41.1667, 28.8452

Sweetspot

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



33.7691, 41.1683, 54.8824



78.8240, 86.8214, 100.8829



29.9907, 42.3531, 26.6738



17.0637, 18.9013, 22.1343



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.7691, 41.1683, 54.8824



57.0934, 71.5525, 99.0810



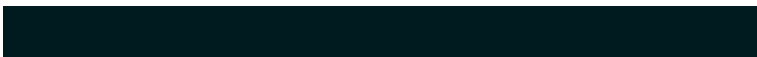
27.6307, 28.8915, 52.8362



9.7130, 10.6183, 12.2098



15.5635, 21.2388, 35.6721



0.6364, 0.8855, 1.4062

Inverse Universe

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



36.3961, 27.7584, 47.6975



62.6271, 44.1565, 83.7552



37.5465, 38.1447, 23.1539



9.8817, 9.6770, 11.7662



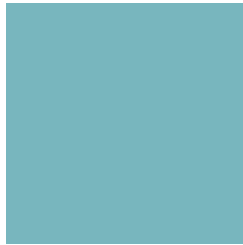
18.8565, 9.1738, 25.6018



0.7521, 0.3647, 1.0740

Previews

White Background



This preview shows how the XYZ color 33.7679, 41.1667, 54.8814 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 33.7679, 41.1667, 54.8814 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 33.7679, 41.1667, 54.8814

Background



This preview shows how black text looks on a background with the XYZ color 33.7679, 41.1667, 54.8814.

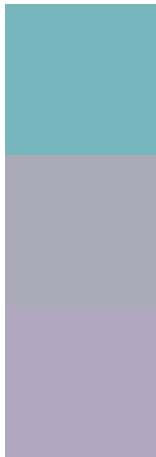


This preview shows how white text looks on a background with the XYZ color 33.7679, 41.1667,

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

33.7679, 41.1667, 54.8814

Protanopia

39.7166, 40.8263, 50.5867

Deuteranopia

41.5758, 40.8348, 56.1427



Tritanopia

34.3728, 41.0982, 58.3457

Trichromacy



Original Color

33.7679, 41.1667, 54.8814

Protanomaly

36.9479, 40.4927, 52.3229

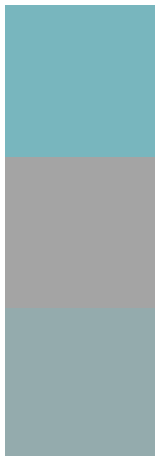
Deuteranomaly

37.9773, 40.3787, 55.6614

Tritanomaly

34.1466, 41.0077, 57.1545

Monochromacy



Original Color

33.7679, 41.1667, 54.8814

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3185, 38.4388, 45.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7679, 41.1667, 54.8814 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(120, 182, 190)` looks like.

```
.text, #text, p{  
    color:rgb(120, 182, 190)  
}
```

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(120, 182, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 182, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.7679, 41.1667, 54.8814 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(120, 182, 190) }
```


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

```
.border{ border-color:rgb(120, 182, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 182, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 182, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 182, 190);  
box-shadow:4px 4px 4px 4px rgb(120, 182,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7679, 41.1667, 54.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 182, 190) }
```

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

```
.background{ background-color: rgb(120,  
182, 190) }
```

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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