

Converting Colors

XYZ(37.8267, 45.4725, 55.0057)

Have a look what the booklet for
XYZ(37.8267, 45.4725, 55.0057)
contains.

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Color

**XYZ(37.8641, 45.4726,
54.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABDBD
RGB	138, 189, 189
RGB Percent	54%, 74%, 74%
CMY	0.4588, 0.2588, 0.2588
CMYK	0.27, 0.00, 0.00, 0.26
HSL	180°, 28%, 64%
HSV	180°, 27%, 74%
XYZ	37.8641, 45.4726, 54.9255
YIQ	173.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

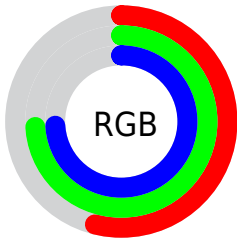
Format	Color
RYB	138, 164, 189
Decimal	9092541
CIELab	73.20, -16.59, -5.41
CIElCh	73, 17.449, 198.071
Yxy	45.4726, 0.2739, 0.3289
Android (android.graphics.Color)	4287282621 (0xFF8ABDBD)
YUV	173.7510, 7.5178, -31.3536
Hunter-Lab	67.4334, -17.7800, -1.0892

Details

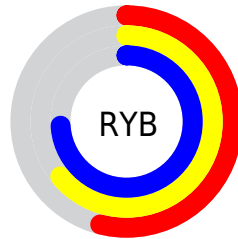
The XYZ color **37.8641, 45.4726, 54.9255** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.6638, 30.8320, 28.1707**, and the grayscale version is **40.0792, 42.1665, 45.9193**.

A 20% lighter version of the original color is **71.1262, 83.2348, 98.7034**, and **17.0858, 21.3643, 26.5158** is the 20% darker color. If you saturate the color by 10%, you get **35.0055, 44.0001, 54.7922**, and if you desaturate by 10%, it is **41.2696, 47.2293, 55.0864**.

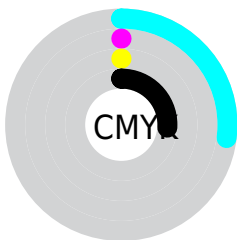
Distribution



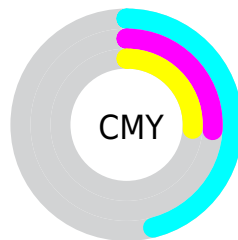
- Red (54%)
- Green (74%)
- Blue (74%)



- Red (54%)
- Yellow (64%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (46%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8641, 45.4726, 54.9255 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 37.8641, 45.4726, 54.9255 by changing the saturation by 10% instead.

■ 37.8641, 45.4726,
54.9255

■ 37.8641, 45.4726,
54.9255

328.3276,
368.6842, 422.9035

■ 26.0540, 31.8298,
38.9439

■ 71.2050, 83.4291,
98.9018

■ 16.9969, 21.2316,
26.4086

■ 93.4665, 108.5117,
127.7337

■ 10.3276, 13.2934,
16.9010

■ 119.9426,
138.1764, 161.6859

■ 5.6806, 7.6309,
10.0028

150.9984,
172.8074, 201.1772

■ 2.6907, 3.8597,
5.2952

186.9995,
212.7894, 246.6261

■ 0.9924, 1.5954,
2.3597

228.3112,

■ 0.0000, 0.3545,

258.5066, 298.4511

0.7644

275.2987,
310.3434, 357.0707

■ 0.0000, 0.0000,
0.0000

■ 37.8641, 45.4726,
54.9255

■ 37.8641, 45.4726,
54.9255

■ 35.0055, 44.0001,
54.7922

■ 41.2696, 47.2293,
55.0864

■ 32.6615, 42.7917,
54.6819

■ 45.2440, 49.2782,
55.2729

■ 30.8027, 41.8335,
54.5944

■ 49.8132, 51.6337,
55.4873

■ 29.3953, 41.1080,
54.5280

■ 55.0003, 54.3077,
55.7305

■ 28.4007, 40.5952,
54.4810

■ 60.8269, 57.3115,
56.0038

■ 27.7743, 40.2724,
54.4511

■ 67.3140, 60.6556,
56.3079

■ 27.4545, 40.1075,
54.4356

■ 68.6246, 61.3313,
56.3697

■ 27.3831, 40.0707,
54.4321

■ 68.6247, 61.3313,
56.3703

■ 68.6248, 61.3313,
56.3708

Harmonies

Analogous

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



37.7149, 45.4726, 46.1095



37.8641, 45.4726, 54.9255



39.4064, 45.4726, 63.1377

Triad

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



37.8641, 45.4726, 54.9255



47.7476, 45.4726, 61.6482



44.4481, 45.4726, 34.7861

Complementary

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



37.8641, 45.4726, 54.9255



34.6638, 30.8320, 28.1707

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.



47.2728, 45.4726, 38.0028



37.8641, 45.4726, 54.9255



49.2371, 45.4726, 53.0777

Square

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



37.8641, 45.4726, 54.9255



45.0714, 45.4726, 67.3233



49.0593, 45.4726, 44.4663



41.4206, 45.4726, 35.1567

Rectangle

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



37.8641, 45.4726, 54.9255



41.0598, 45.4726, 66.8480



49.0593, 45.4726, 44.4663



45.4554, 45.4726, 35.4665

Sweetspot

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



37.8654, 45.4744, 54.9265



80.1614, 87.8065, 98.9488



33.4088, 43.7081, 30.7212



16.9967, 18.7578, 21.2672



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.8654, 45.4744, 54.9265



64.8656, 79.9212, 98.2307



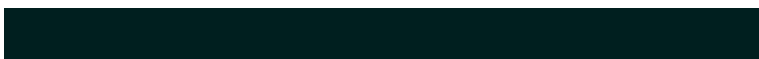
33.0060, 35.7552, 53.3081



9.8086, 10.8096, 12.2416



18.4234, 26.9596, 36.6221



0.7217, 1.0560, 1.4346

Inverse Universe

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



34.6638, 30.8320, 28.1707



58.2331, 49.5883, 42.8041



38.6104, 38.7256, 29.4854



9.5302, 9.5364, 9.9151



14.1203, 7.2793, 0.6610



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 37.8641, 45.4726, 54.9255 looks on a white background.

Color Contrast Check

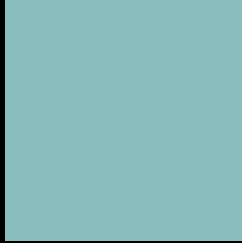
Large Text (above 18pt) WCAG AA × Fail

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 37.8641, 45.4726, 54.9255 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 37.8641, 45.4726, 54.9255

Background



This preview shows how black text looks on a background with the XYZ color 37.8641, 45.4726, 54.9255.



This preview shows how white text looks on a background with the XYZ color 37.8641, 45.4726,

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

37.8641, 45.4726, 54.9255

Protanopia

43.5237, 45.0834, 51.2078

Deuteranopia

46.1363, 45.1542, 56.1532



Tritanopia

39.4155, 45.4676, 62.5758

Trichromacy



Original Color

37.8641, 45.4726, 54.9255

Protanomaly

41.0020, 44.9580, 52.4157

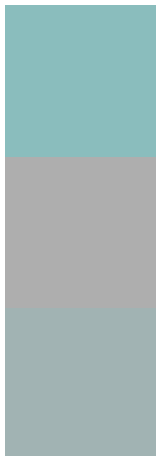
Deuteranomaly

42.5373, 44.7724, 55.6902

Tritanomaly

38.8765, 45.5731, 59.5708

Monochromacy



Original Color

37.8641, 45.4726, 54.9255

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.9547, 43.0719, 48.9084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8641, 45.4726, 54.9255 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(138, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(138, 189, 189)  
}
```

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(138, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.8641, 45.4726, 54.9255 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(138, 189, 189) }
```


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

```
.border{ border-color:rgb(138, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(138, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8641, 45.4726, 54.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 189, 189) }
```

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

```
.background{ background-color: rgb(138,  
189, 189) }
```

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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