

Converting Colors

XYZ(37.1687, 41.7902, 46.6033)

Have a look what the booklet for
XYZ(37.1687, 41.7902, 46.6033)
contains.

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Color

**XYZ(37.1758, 41.9045,
46.6864)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB2AF
RGB	155, 178, 175
RGB Percent	61%, 70%, 69%
CMY	0.3922, 0.3019, 0.3137
CMYK	0.13, 0.00, 0.02, 0.30
HSL	172°, 13%, 65%
HSV	172°, 13%, 70%
XYZ	37.1758, 41.9045, 46.6864
YIQ	170.7810, -12.7450, -5.8090

Conversions

Conversions Part 2

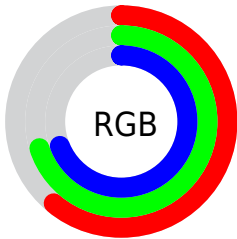
Format	Color
RYB	155, 167, 178
Decimal	10203823
CIELab	70.81, -8.50, -1.15
CIELCh	71, 8.577, 187.703
Yxy	41.9045, 0.2956, 0.3332
Android (android.graphics.Color)	4288393903 (0xFF9BB2AF)
YUV	170.7810, 2.0800, -13.8399
Hunter-Lab	64.7337, -10.7735, 2.5532

Details

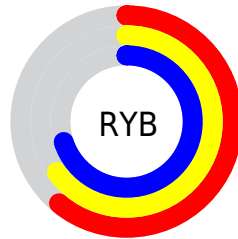
The XYZ color **37.1758, 41.9045, 46.6864** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2545, 35.3774, 37.2673**, and the grayscale version is **38.5942, 40.6041, 44.2179**.

A 20% lighter version of the original color is **70.2841, 78.2604, 86.2643**, and **16.6177, 19.0403, 21.5382** is the 20% darker color. If you saturate the color by 10%, you get **33.7823, 40.1824, 45.3472**, and if you desaturate by 10%, it is **41.0792, 43.8913, 48.0717**.

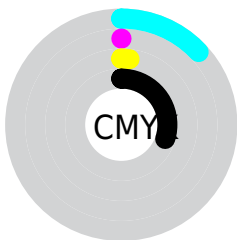
Distribution



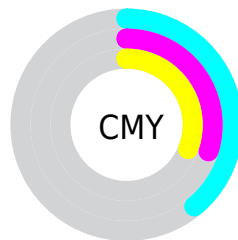
- Red (61%)
- Green (70%)
- Blue (69%)



- Red (61%)
- Yellow (65%)
- Blue (70%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (39%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1758, 41.9045, 46.6864 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 37.1758, 41.9045, 46.6864 by changing the saturation by 10% instead.

■ 37.1758, 41.9045,
46.6864

■ 37.1758, 41.9045,
46.6864

325.4133,
354.0869, 389.9188

■ 25.5179, 29.0265,
32.4352

■ 70.1552, 78.0551,
86.5904

■ 16.5941, 19.1009,
21.4266

■ 92.2074, 102.0964,
113.0803

■ 10.0391, 11.7432,
13.2419

118.4551,
130.6277, 144.4869

■ 5.4873, 6.5691,
7.4627

149.2636,
164.0334, 181.2287

■ 2.5736, 3.1941,
3.6703

184.9983,
202.6977, 223.7243

■ 0.9325, 1.2339,
1.4463

226.0246,

■ 0.0000, 0.0891,

247.0051, 272.3921

0.1774

272.7079,
297.3401, 327.6508

■ 0.0000, 0.0000,
0.0000

■ 37.1758, 41.9045,
46.6864

■ 37.1758, 41.9045,
46.6864

■ 33.7823, 40.1824,
45.3472

■ 41.0792, 43.8913,
48.0717

■ 30.8733, 38.7084,
44.0502

■ 45.5096, 46.1482,
49.5014

■ 28.4262, 37.4721,
42.7952

■ 50.4876, 48.6869,
50.9774

■ 26.4155, 36.4604,
41.5807

■ 56.0317, 51.5171,
52.5008

■ 24.8131, 35.6587,
40.4055

■ 62.1595, 54.6476,
54.0723

■ 23.5878, 35.0509,
39.2679

■ 66.3403, 56.7740,
55.5737

■ 22.7034, 34.6184,
38.1661

■ 66.5945, 56.8757,
56.9125

■ 22.1170, 34.3392,
37.0981

■ 66.8528, 56.9790,
58.2727

■ 21.8180, 34.2011,
36.3595

■ 67.1152, 57.0840,
59.6543

Harmonies

Analogous

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



37.3481, 41.9045, 42.7148



37.1758, 41.9045, 46.6864



37.7009, 41.9045, 50.5944

Triad

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



37.1758, 41.9045, 46.6864



41.5277, 41.9045, 52.1191



40.8773, 41.9045, 38.7470

Complementary

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



37.1758, 41.9045, 46.6864



36.2545, 35.3774, 37.2673

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.



42.0357, 41.9045, 40.9956



37.1758, 41.9045, 46.6864



42.4174, 41.9045, 48.6684

Square

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



37.1758, 41.9045, 46.6864



40.1972, 41.9045, 53.8505



42.6055, 41.9045, 44.5835



39.4630, 41.9045, 38.2863

Rectangle

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



37.1758, 41.9045, 46.6864



38.3833, 41.9045, 52.5842



42.6055, 41.9045, 44.5835



41.3105, 41.9045, 39.3120

Sweetspot

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



37.1770, 41.9063, 46.6873



73.6317, 79.1529, 86.8789



35.9517, 41.4850, 37.1235



16.1903, 17.4738, 19.2059



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.1770, 41.9063, 46.6873



65.2494, 74.8904, 83.8365



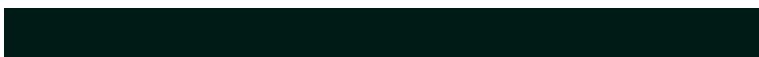
35.8483, 38.7716, 47.7158



8.6940, 9.6121, 10.6481



15.6268, 24.4767, 26.1011



0.5049, 0.7754, 0.8908

Inverse Universe

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



36.2545, 35.3774, 37.2673



63.1909, 60.3188, 62.8141



37.4522, 38.1814, 36.4068



8.5400, 8.5227, 9.0762



13.2629, 6.8227, 1.2784



0.4316, 0.2204, 0.1154

Previews

White Background



This preview shows how the XYZ color 37.1758, 41.9045, 46.6864 looks on a white background.

Color Contrast Check

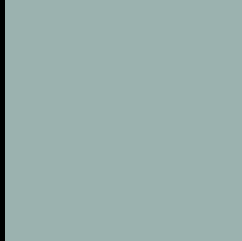
Large Text (above 18pt) WCAG AA × Fail

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 37.1758, 41.9045, 46.6864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

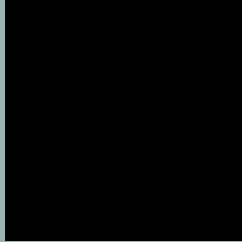
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

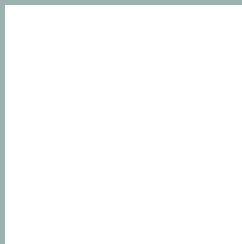
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1758, 41.9045, 46.6864

Background



This preview shows how black text looks on a background with the XYZ color 37.1758, 41.9045, 46.6864.

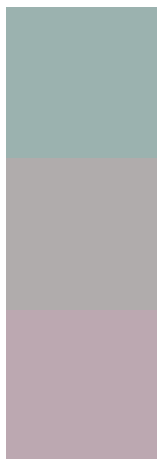


This preview shows how white text looks on a background with the XYZ color 37.1758, 41.9045,

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

37.1758, 41.9045, 46.6864

Protanopia

40.1034, 41.7137, 44.9676

Deuteranopia

42.6775, 41.8710, 47.4275



Tritanopia

38.9201, 42.0375, 54.7779

Trichromacy



Original Color

37.1758, 41.9045, 46.6864

Protanomaly

38.8273, 41.6141, 45.5211

Deuteranomaly

40.4935, 41.8697, 47.0217

Tritanomaly

38.3837, 42.1152, 52.0049

Monochromacy



Original Color

37.1758, 41.9045, 46.6864

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0995, 41.2500, 44.9837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1758, 41.9045, 46.6864 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(155, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(155, 178, 175)  
}
```

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(155, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 178, 175) }
```

Border

The CSS property to change the border of an element to XYZ 37.1758, 41.9045, 46.6864 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(155, 178, 175) }
```


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

```
.border{ border-color:rgb(155, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(155, 178,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1758, 41.9045, 46.6864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 178, 175) }
```

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

```
.background{ background-color: rgb(155,  
178, 175) }
```

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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