

Converting Colors

XYZ(31.0728, 41.6508, 36.3587)

Have a look what the booklet for
XYZ(31.0728, 41.6508, 36.3587)
contains.

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Color

**XYZ(31.1278, 41.7625,
36.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	77BB99
RGB	119, 187, 153
RGB Percent	47%, 73%, 60%
CMY	0.5333, 0.2667, 0.4000
CMYK	0.36, 0.00, 0.18, 0.27
HSL	150°, 33%, 60%
HSV	150°, 36%, 73%
XYZ	31.1278, 41.7625, 36.5573
YIQ	162.7920, -29.6140, -24.9900

Conversions

Conversions Part 2

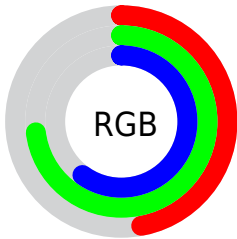
Format	Color
RYB	119, 164, 187
Decimal	7846809
CIELab	70.71, -29.09, 10.49
CIELCh	71, 30.923, 160.174
Yxy	41.7625, 0.2844, 0.3816
Android (android.graphics.Color)	4286036889 (0xFF77BB99)
YUV	162.7920, -4.8275, -38.4056
Hunter-Lab	64.6239, -27.1126, 11.6968

Details

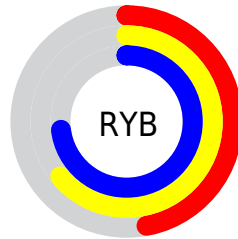
The XYZ color **31.1278, 41.7625, 36.5573** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8415, 26.0593, 33.4376**, and the grayscale version is **34.7476, 36.5572, 39.8107**.

A 20% lighter version of the original color is **60.5467, 77.4904, 70.7975**, and **13.1005, 18.9277, 15.5333** is the 20% darker color. If you saturate the color by 10%, you get **28.0674, 40.2717, 32.5398**, and if you desaturate by 10%, it is **34.7560, 43.5413, 40.9191**.

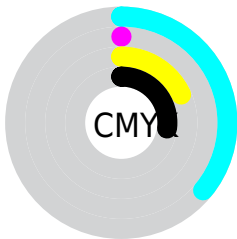
Distribution



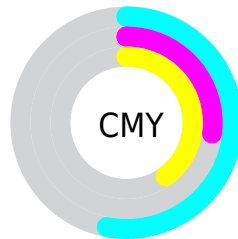
- Red (47%)
- Green (73%)
- Blue (60%)



- Red (47%)
- Yellow (64%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1278, 41.7625, 36.5573 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 31.1278, 41.7625, 36.5573 by changing the saturation by 10% instead.

■ 31.1278, 41.7625,
36.5573

■ 31.1278, 41.7625,
36.5573

298.9430,
353.4975, 346.5007

■ 20.8485, 28.9154,
24.5718

■ 60.8157, 77.8401,
71.0701

■ 13.1251, 19.0168,
15.5422

■ 80.9550, 101.8393,
94.4345

■ 7.5924, 11.6824,
9.0500

■ 105.1117,
130.3246, 122.4289

■ 3.8848, 6.5278,
4.6765

133.6511,
163.6805, 155.4719

■ 1.6372, 3.1686,
2.0034

166.9385,
202.2914, 193.9821

■ 0.4165, 1.2204,
0.5573

205.3395,

■ 0.0000, 0.0783,

246.5415, 238.3779

0.0000

249.2192,
296.8154, 289.0779

■ 0.0000, 0.0000,
0.0000

■ 31.1278, 41.7625,
36.5573

■ 31.1278, 41.7625,
36.5573

■ 28.0674, 40.2717,
32.5398

■ 34.7560, 43.5413,
40.9191

■ 25.5402, 39.0478,
28.8552

■ 38.9772, 45.6175,
45.6308

■ 23.5131, 38.0751,
25.4952

■ 43.8192, 48.0064,
50.7012


■ 21.9476, 37.3338,
22.4505


■ 49.3071, 50.7209,
56.1380


■ 20.7989, 36.8011,
19.7108


■ 55.4644, 53.7728,
61.9488


 20.0092, 36.4473,
17.2649

 62.3134, 57.1737,
68.1407

 19.7691, 36.3414,
16.4448

 69.8756, 60.9343,
74.7208

 72.9877, 62.3929,
81.4534

 74.3200, 62.9258,
88.4690

Harmonies

Analogous

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



33.6710, 41.7625, 27.1393



31.1278, 41.7625, 36.5573



30.7643, 41.7625, 50.6409

Triad

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



31.1278, 41.7625, 36.5573



41.4599, 41.7625, 79.2854



47.7086, 41.7625, 29.5896

Complementary

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



31.1278, 41.7625, 36.5573



32.8415, 26.0593, 33.4376

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.



50.2033, 41.7625, 40.6679



31.1278, 41.7625, 36.5573



46.3956, 41.7625, 70.6209

Square

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



31.1278, 41.7625, 36.5573



36.4451, 41.7625, 77.5184



49.7031, 41.7625, 55.7302



43.1305, 41.7625, 23.7572

Rectangle

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



31.1278, 41.7625, 36.5573



31.7708, 41.7625, 61.1811



49.7031, 41.7625, 55.7302



48.8358, 41.7625, 32.7126

Sweetspot

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



31.1289, 41.7642, 36.5582



74.1607, 83.8446, 86.3494



34.4533, 43.7575, 24.0834



16.0734, 18.3367, 18.7445



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.



31.1289, 41.7642, 36.5582



51.1050, 72.5311, 59.4239



34.2282, 43.0039, 52.8787



9.6023, 10.7271, 11.1554



13.6569, 25.0531, 11.5221



0.5680, 0.9946, 0.6252

Inverse Universe

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



32.8415, 26.0593, 33.4376



54.6408, 40.1065, 52.9809



30.4898, 25.1186, 21.0536



9.7237, 9.6138, 10.9342



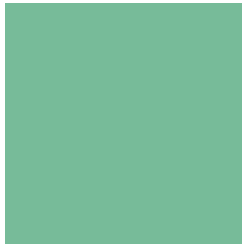
15.5334, 7.8445, 8.1026



0.6415, 0.3205, 0.4913

Previews

White Background



This preview shows how the XYZ color 31.1278, 41.7625, 36.5573 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 31.1278, 41.7625, 36.5573 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 31.1278, 41.7625, 36.5573

Background



This preview shows how black text looks on a background with the XYZ color 31.1278, 41.7625, 36.5573.



This preview shows how white text looks on a background with the XYZ color 31.1278, 41.7625,

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

31.1278, 41.7625, 36.5573

Protanopia

38.9194, 41.3731, 32.7226

Deuteranopia

41.9702, 41.1761, 37.6340



Tritanopia

35.5409, 41.7004, 58.4003

Trichromacy



Original Color

31.1278, 41.7625, 36.5573

Protanomaly

35.1680, 40.8515, 34.0486

Deuteranomaly

37.0732, 40.8879, 37.3907

Tritanomaly

33.6292, 41.5222, 49.4222

Monochromacy



Original Color

31.1278, 41.7625, 36.5573

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0432, 38.2113, 38.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1278, 41.7625, 36.5573 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(119, 187, 153)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 153)  
}
```

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(119, 187, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.1278, 41.7625, 36.5573 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(119, 187, 153) }
```


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

```
.border{ border-color:rgb(119, 187, 153) }
```

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

Here you see how a box with a 4 pixel rgb(119, 187, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 153);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1278, 41.7625, 36.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 153) }
```

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

```
.background{ background-color: rgb(119,  
187, 153) }
```

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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