

Converting Colors

XYZ(30.9286, 40.5921, 39.3397)

Have a look what the booklet for
XYZ(30.9286, 40.5921, 39.3397)
contains.

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Color

**XYZ(30.9569, 40.6706,
39.4763)**

Conversions

Conversions Part 1

Format	Color
Hex	76B8A0
RGB	118, 184, 160
RGB Percent	46%, 72%, 63%
CMY	0.5372, 0.2784, 0.3725
CMYK	0.36, 0.00, 0.13, 0.28
HSL	158°, 32%, 59%
HSV	158°, 36%, 72%
XYZ	30.9569, 40.6706, 39.4763
YIQ	161.5300, -31.6320, -21.4560

Conversions

Conversions Part 2

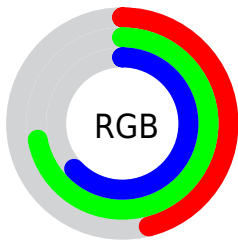
Format	Color
RYB	118, 158, 184
Decimal	7780512
CIELab	69.94, -26.44, 5.57
CIELCh	70, 27.016, 168.105
Yxy	40.6706, 0.2786, 0.3661
Android (android.graphics.Color)	4285970592 (0xFF76B8A0)
YUV	161.5300, -0.7543, -38.1758
Hunter-Lab	63.7735, -24.9563, 7.9405

Details

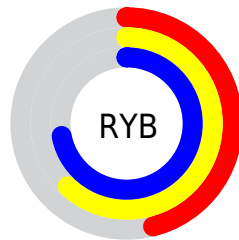
The XYZ color **30.9569, 40.6706, 39.4763** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1295, 25.1013, 28.7973**, and the grayscale version is **34.1379, 35.9157, 39.1122**.

A 20% lighter version of the original color is **60.4391, 75.9971, 75.7734**, and **13.1234, 18.4950, 17.3462** is the 20% darker color. If you saturate the color by 10%, you get **28.1282, 39.2793, 36.3705**, and if you desaturate by 10%, it is **34.3068, 42.3291, 42.7727**.

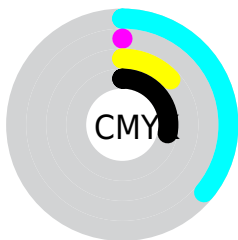
Distribution



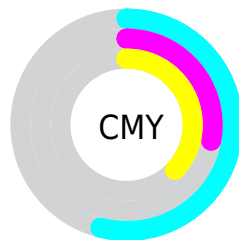
- Red (46%)
- Green (72%)
- Blue (63%)



- Red (46%)
- Yellow (62%)
- Blue (72%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (28%)



- Cyan (54%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9569, 40.6706, 39.4763 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 30.9569, 40.6706, 39.4763 by changing the saturation by 10% instead.

■ 30.9569, 40.6706,
39.4763

■ 30.9569, 40.6706,
39.4763

298.1701,
348.9420, 359.3975

■ 20.7177, 28.0618,
26.8198

■ 60.5485, 76.1836,
75.5937

■ 13.0291, 18.3722,
17.2067

■ 80.6316, 99.8566,
99.8917

■ 7.5257, 11.2176,
10.2184

■ 104.7268,
127.9864, 128.9073

■ 3.8422, 6.2134,
5.4365

133.1993,
160.9575, 163.0589

■ 1.6133, 2.9753,
2.4424

166.4145,
199.1542, 202.7653

■ 0.4010, 1.1188,
0.8094

204.7378,

■ 0.0000, 0.0000,

242.9609, 248.4448

0.0000

248.5346,
292.7620, 300.5160

■ 30.9569, 40.6706,
39.4763

■ 30.9569, 40.6706,
39.4763

■ 28.1282, 39.2793,
36.3705

■ 34.3068, 42.3291,
42.7727

■ 25.7884, 38.1353,
33.4487

■ 38.2011, 44.2635,
46.2608

■ 23.9067, 37.2239,
30.7076


■ 42.6658, 46.4882,
49.9450


■ 22.4472, 36.5268,
28.1430

■ 47.7240, 49.0151,
53.8288


■ 21.3683, 36.0225,
25.7500


■ 53.3976, 51.8554,
57.9156


 20.6176, 35.6840,
23.5234

 59.7075, 55.0198,
62.2087

 20.3573, 35.5689,
22.6495

 66.6733, 58.5184,
66.7113

 70.4593, 60.3737,
71.2460

 71.3293, 60.7217,
75.8274

Harmonies

Analogous

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



32.6963, 40.6706, 29.9985



30.9569, 40.6706, 39.4763



31.1619, 40.6706, 52.2451

Triad

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



30.9569, 40.6706, 39.4763



41.3445, 40.6706, 71.5255



44.5832, 40.6706, 28.5898

Complementary

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



30.9569, 40.6706, 39.4763



31.1295, 25.1013, 28.7973

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.



47.2649, 40.6706, 37.1746



30.9569, 40.6706, 39.4763



45.2996, 40.6706, 62.5066

Square

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



30.9569, 40.6706, 39.4763



36.9391, 40.6706, 72.4646



47.5366, 40.6706, 49.4656



40.4257, 40.6706, 24.5590

Rectangle

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



30.9569, 40.6706, 39.4763



32.3758, 40.6706, 60.9755



47.5366, 40.6706, 49.4656



45.7003, 40.6706, 30.9548

Sweetspot

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



30.9580, 40.6723, 39.4772



72.9077, 82.0591, 86.9413



31.6015, 41.3592, 23.4578



15.4864, 17.5752, 18.5507



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.9580, 40.6723, 39.4772



52.0140, 71.7053, 67.1110



31.4932, 38.0517, 51.0342



9.1243, 10.1537, 10.8120



14.0644, 24.5267, 15.7928



0.5244, 0.8761, 0.7073

Inverse Universe

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



31.1295, 25.1013, 28.7973



52.3773, 39.3192, 44.9304



30.6020, 26.6266, 20.6668



9.1360, 9.0648, 10.0635



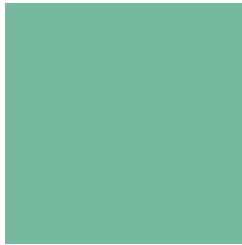
14.3511, 7.3142, 4.4700



0.5361, 0.2699, 0.3168

Previews

White Background



This preview shows how the XYZ color 30.9569, 40.6706, 39.4763 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 30.9569, 40.6706, 39.4763 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 30.9569, 40.6706, 39.4763

Background



This preview shows how black text looks on a background with the XYZ color 30.9569, 40.6706, 39.4763.



This preview shows how white text looks on a background with the XYZ color 30.9569, 40.6706,

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

30.9569, 40.6706, 39.4763

Protanopia

38.1737, 40.3636, 35.4847

Deuteranopia

40.9626, 40.0501, 40.6934



Tritanopia

34.4619, 40.5709, 57.0536

Trichromacy



Original Color

30.9569, 40.6706, 39.4763

Protanomaly

34.9567, 40.0944, 36.9069

Deuteranomaly

36.2780, 39.5567, 40.3735

Tritanomaly

33.1357, 40.6361, 50.3531

Monochromacy



Original Color

30.9569, 40.6706, 39.4763

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.6618, 37.4337, 39.2222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9569, 40.6706, 39.4763 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(118, 184, 160)` looks like.

```
.text, #text, p{  
    color:rgb(118, 184, 160)  
}
```

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(118, 184, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 184, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.9569, 40.6706, 39.4763 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(118, 184, 160) }
```


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

```
.border{ border-color:rgb(118, 184, 160) }
```

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

Here you see how a box with a 4 pixel rgb(118, 184, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 184, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 184, 160);  
box-shadow:4px 4px 4px 4px rgb(118, 184,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9569, 40.6706, 39.4763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 184, 160) }
```

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

```
.background{ background-color: rgb(118,  
184, 160) }
```

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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