

Converting Colors

XYZ(30.7029, 24.5710, 56.5308)

Have a look what the booklet for
XYZ(30.7029, 24.5710, 56.5308)
contains.

XYZ(30.8141, 24.6783, 56.5654)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8141, 24.6783,
56.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	9D78C6
RGB	157, 120, 198
RGB Percent	62%, 47%, 78%
CMY	0.3843, 0.5294, 0.2235
CMYK	0.21, 0.39, 0.00, 0.22
HSL	268°, 41%, 62%
HSV	268°, 39%, 78%
XYZ	30.8141, 24.6783, 56.5654
YIQ	139.9550, -2.9860, 32.1020

Conversions

Conversions Part 2

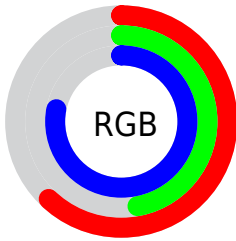
Format	Color
RYB	157, 120, 198
Decimal	10320070
CIELab	56.76, 29.86, -35.33
CIELCh	57, 46.258, 310.206
Yxy	24.6783, 0.2750, 0.2202
Android (android.graphics.Color)	4288510150 (0xFF9D78C6)
YUV	139.9550, 28.6162, 14.9485
Hunter-Lab	49.6773, 23.7858, -32.7369

Details

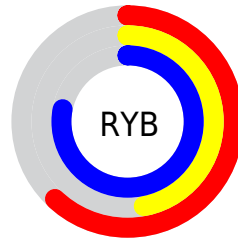
The XYZ color **30.8141, 24.6783, 56.5654** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.2830, 49.3220, 25.2728**, and the grayscale version is **24.8038, 26.0956, 28.4181**.

A 20% lighter version of the original color is **60.4341, 51.2533, 101.3154**, and **12.9962, 9.4631, 27.5272** is the 20% darker color. If you saturate the color by 10%, you get **26.7297, 19.3962, 55.7615**, and if you desaturate by 10%, it is **35.5655, 31.0362, 57.5426**.

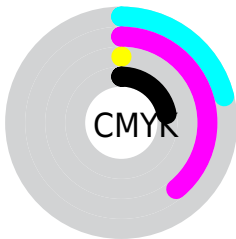
Distribution



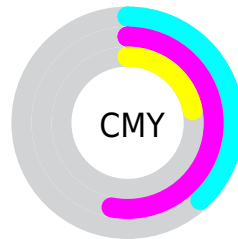
- Red (62%)
- Green (47%)
- Blue (78%)



- Red (62%)
- Yellow (47%)
- Blue (78%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8141, 24.6783, 56.5654 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 30.8141, 24.6783, 56.5654 by changing the saturation by 10% instead.

■ 30.8141, 24.6783,
56.5654

■ 30.8141, 24.6783,
56.5654

297.5232,
276.2320, 429.2668

■ 20.6085, 15.8375,
40.2494

■ 60.3251, 51.1349,
101.3248

■ 12.9489, 9.4093,
27.4178

■ 80.3612, 69.5194,
130.6053

■ 7.4701, 5.0091,
17.6520

■ 104.4048, 91.8541,
165.0443

■ 3.8068, 2.2526,
10.5336

132.8213,
118.5232, 205.0604

■ 1.5934, 0.7484,
5.6440

165.9760,
149.9111, 251.0722

■ 0.3881, 0.0000,
2.5646

204.2343,

■ 0.0000, 0.0000,

186.4023, 303.4982

0.8741

247.9616,
228.3812, 362.7569

■ 0.0000, 0.0000,
0.0000

■ 30.8141, 24.6783,
56.5654

■ 30.8141, 24.6783,
56.5654

■ 26.7297, 19.3962,
55.7615

■ 35.5655, 31.0362,
57.5426

■ 23.2750, 15.1236,
55.1189

■ 41.0135, 38.5250,
58.7009

■ 20.4123, 11.7913,
54.6266

■ 47.1888, 47.1995,
60.0498

■ 18.0983, 9.3195,
54.2715

■ 54.1194, 57.1099,
61.5974

■ 16.2826, 7.6147,
54.0381

■ 61.8317, 68.3035,
63.3515

■ 14.8794, 6.5125,
53.8993

■ 70.3509, 80.8252,
65.3195

■ 14.8013, 6.4528,
53.8919

■ 78.5402, 92.3965,
67.1213

■ 81.9781, 94.1688,
67.2822

■ 85.6188, 96.0457,
67.4526

Harmonies

Analogous

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



25.3434, 24.6783, 68.0255



30.8141, 24.6783, 56.5654



34.6397, 24.6783, 38.2459

Triad

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



30.8141, 24.6783, 56.5654



27.1493, 24.6783, 7.4836



14.6523, 24.6783, 32.4887

Complementary

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



30.8141, 24.6783, 56.5654



38.2830, 49.3220, 25.2728

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.



14.9829, 24.6783, 18.0090



30.8141, 24.6783, 56.5654



21.6647, 24.6783, 6.9485

Square

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



30.8141, 24.6783, 56.5654



32.3092, 24.6783, 11.8873



17.3737, 24.6783, 9.9619



16.3886, 24.6783, 50.9884

Rectangle

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



30.8141, 24.6783, 56.5654



35.4410, 24.6783, 26.7640



17.3737, 24.6783, 9.9619



14.5327, 24.6783, 26.9773

Sweetspot

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



30.8150, 24.6793, 56.5660



80.3813, 79.0825, 105.6357



30.7897, 33.7712, 58.3222



16.8888, 16.4816, 22.5411



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.8150, 24.6793, 56.5660



48.4735, 35.7965, 98.9623



39.5194, 29.1666, 56.9733



10.5272, 10.5300, 13.3951



9.7229, 4.2466, 35.0516



0.5439, 0.2441, 1.6636

Inverse Universe

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



36.4390, 28.0129, 37.2058



60.1351, 42.7139, 58.5912



31.6964, 45.9264, 24.9645



10.8629, 10.7285, 12.2611



16.8163, 8.4761, 9.5086



0.8327, 0.4159, 0.6420

Previews

White Background



This preview shows how the XYZ color 30.8141, 24.6783, 56.5654 looks on a white background.

Color Contrast Check

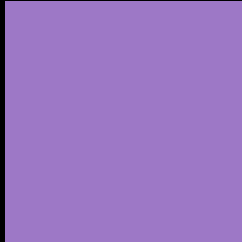
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8141, 24.6783, 56.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

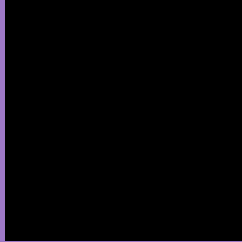
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8141, 24.6783, 56.5654

Background



This preview shows how black text looks on a background with the XYZ color 30.8141, 24.6783, 56.5654.



This preview shows how white text looks on a background with the XYZ color 30.8141, 24.6783,

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

30.8141, 24.6783, 56.5654

Protanopia

26.4646, 24.9545, 64.3946

Deuteranopia

25.4537, 24.8455, 55.0839



Tritanopia

25.1664, 24.6586, 29.0244

Trichromacy



Original Color

30.8141, 24.6783, 56.5654

Protanomaly

27.5950, 24.5924, 61.6849

Deuteranomaly

27.1524, 24.6966, 55.5604

Tritanomaly

27.0033, 24.6263, 37.5125

Monochromacy



Original Color

30.8141, 24.6783, 56.5654

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.6746, 25.4593, 37.2264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8141, 24.6783, 56.5654 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(157, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 120, 198)  
}
```

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(157, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 120, 198) }
```

Border

The CSS property to change the border of an element to XYZ 30.8141, 24.6783, 56.5654 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(157, 120, 198) }
```


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

```
.border{ border-color:rgb(157, 120, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 120, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 120, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 120,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8141, 24.6783, 56.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 120, 198) }
```

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

```
.background{ background-color: rgb(157,  
120, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor