

Converting Colors

XYZ(30.8343, 30.9214, 45.9387)

Have a look what the booklet for
XYZ(30.8343, 30.9214, 45.9387)
contains.

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Color

**XYZ(30.8960, 30.9651,
45.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	9495B1
RGB	148, 149, 177
RGB Percent	58%, 58%, 69%
CMY	0.4196, 0.4157, 0.3059
CMYK	0.16, 0.16, 0.00, 0.31
HSL	238°, 16%, 64%
HSV	238°, 16%, 69%
XYZ	30.8960, 30.9651, 45.9434
YIQ	151.8930, -9.5840, 8.4960

Conversions

Conversions Part 2

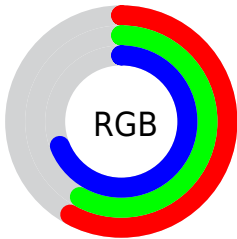
Format	Color
R_{YB}	148, 149, 177
Decimal	9737649
CIE Lab	62.48, 5.52, -14.70
CIE LCh	62, 15.704, 290.581
Yxy	30.9651, 0.2866, 0.2872
Android (android.graphics.Color)	4287927729 (0xFF9495B1)
YUV	151.8930, 12.3778, -3.4142
Hunter-Lab	55.6463, 1.7260, -9.9994

Details

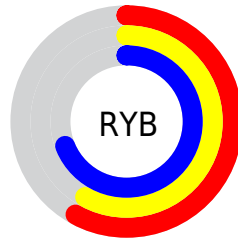
The XYZ color **30.8960, 30.9651, 45.9434** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.0023, 42.5358, 34.1723**, and the grayscale version is **29.7509, 31.3003, 34.0860**.

A 20% lighter version of the original color is **60.4210, 61.1516, 85.7097**, and **12.9355, 12.7320, 20.8445** is the 20% darker color. If you saturate the color by 10%, you get **25.4279, 24.4234, 44.9694**, and if you desaturate by 10%, it is **37.2523, 38.5551, 47.0739**.

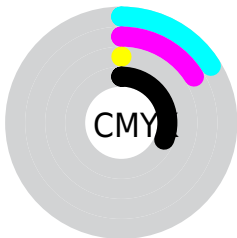
Distribution



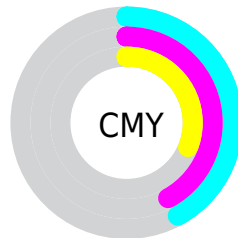
- Red (58%)
- Green (58%)
- Blue (69%)



- Red (58%)
- Yellow (58%)
- Blue (69%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)



- Cyan (42%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8960, 30.9651, 45.9434 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 30.8960, 30.9651, 45.9434 by changing the saturation by 10% instead.

■ 30.8960, 30.9651,
45.9434

■ 30.8960, 30.9651,
45.9434

297.8943,
306.3775, 386.8520

■ 20.6711, 20.5723,
31.8528

■ 60.4533, 61.1851,
85.4677

■ 12.9949, 12.8117,
20.9852

■ 80.5163, 81.7811,
111.7384

■ 7.5020, 7.2990,
12.9221

104.5895,
106.5469, 142.9064

■ 3.8271, 3.6498,
7.2448

133.0381,
135.8670, 179.3900

■ 1.6048, 1.4797,
3.5349

166.2276,
170.1257, 221.6078

■ 0.3955, 0.2743,
1.3738

204.5232,

■ 0.0000, 0.0000,

209.7074, 269.9784

0.1212

248.2903,
254.9965, 324.9203

■ 0.0000, 0.0000,
0.0000

■ 30.8960, 30.9651,
45.9434

■ 30.8960, 30.9651,
45.9434

■ 25.4279, 24.4234,
44.9694

■ 37.2523, 38.5551,
47.0739

■ 20.8057, 18.8805,
44.1431

■ 44.5310, 47.2327,
48.3652

■ 16.9881, 14.2882,
43.4580

■ 52.7676, 57.0397,
49.8240

■ 13.9291, 10.5932,
42.9060

■ 61.9952, 68.0146,
51.4561

■ 11.5780, 7.7368,
42.4786

■ 72.2454, 80.1941,
53.2667

■ 9.8781, 5.6534,
42.1660

■ 83.5480, 93.6133,
55.2612

■ 8.7638, 4.2673,
41.9572

■ 84.9359, 95.9544,
55.6399

■ 8.1511, 3.4858,
41.8386

■ 8.0022, 3.3071,
41.8120

Harmonies

Analogous

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



28.7656, 30.9651, 46.6736



30.8960, 30.9651, 45.9434



32.7130, 30.9651, 41.7331

Triad

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



30.8960, 30.9651, 45.9434



32.1118, 30.9651, 25.4355



25.5699, 30.9651, 31.8308

Complementary

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



30.8960, 30.9651, 45.9434



39.0023, 42.5358, 34.1723

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.



26.3770, 30.9651, 26.7972



30.8960, 30.9651, 45.9434



30.1073, 30.9651, 23.4099

Square

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



30.8960, 30.9651, 45.9434



33.4381, 30.9651, 29.7550



28.0138, 30.9651, 23.8764



25.7583, 30.9651, 38.0132

Rectangle

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



30.8960, 30.9651, 45.9434



33.4690, 30.9651, 37.7714



28.0138, 30.9651, 23.8764



25.7323, 30.9651, 29.9613

Sweetspot

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



30.8970, 30.9664, 45.9441



68.3145, 70.9560, 84.5906



35.7275, 40.8575, 46.8450



14.6215, 15.1586, 18.2996



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.8970, 30.9664, 45.9441



51.2720, 50.6016, 81.5601



33.2344, 31.9372, 46.0083



8.0647, 8.2756, 10.6786



5.8071, 2.4146, 30.2970



0.1905, 0.0915, 0.9559

Inverse Universe

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



34.1469, 32.6976, 32.9467



58.3069, 54.3660, 53.4221



36.3676, 41.4701, 34.1055



8.5079, 8.5099, 8.9068



13.1658, 6.7839, 0.7672



0.4182, 0.2150, 0.0448

Previews

White Background



This preview shows how the XYZ color 30.8960, 30.9651, 45.9434 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 30.8960, 30.9651, 45.9434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

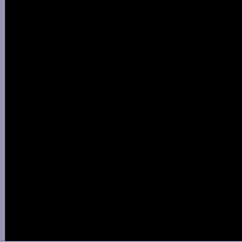
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8960, 30.9651, 45.9434

Background



This preview shows how black text looks on a background with the XYZ color 30.8960, 30.9651, 45.9434.



This preview shows how white text looks on a background with the XYZ color 30.8960, 30.9651,

45.9434.

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

30.8960, 30.9651, 45.9434

Protanopia

30.6962, 31.0980, 45.9796

Deuteranopia

31.5064, 30.8141, 45.8821



Tritanopia

29.5315, 30.8886, 39.0559

Trichromacy



Original Color

30.8960, 30.9651, 45.9434

Protanomaly

30.8748, 31.1901, 45.9880

Deuteranomaly

31.2882, 30.9334, 45.9167

Tritanomaly

30.0069, 30.8429, 41.4175

Monochromacy



Original Color

30.8960, 30.9651, 45.9434

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2621, 31.2857, 38.1620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8960, 30.9651, 45.9434 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(148, 149, 177)` looks like.

```
.text, #text, p{  
    color:rgb(148, 149, 177)  
}
```

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(148, 149, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 149, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.8960, 30.9651, 45.9434 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(148, 149, 177) }
```


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

```
.border{ border-color:rgb(148, 149, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 149, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 149, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 149, 177);  
box-shadow:4px 4px 4px 4px rgb(148, 149,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8960, 30.9651, 45.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 149, 177) }
```

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

```
.background{ background-color: rgb(148,  
149, 177) }
```

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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