

Converting Colors

XYZ(30.9904, 29.3987, 45.6204)

Have a look what the booklet for
XYZ(30.9904, 29.3987, 45.6204)
contains.

XYZ(30.9352, 29.3904, 45.6374)	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(30.9352, 29.3904,
45.6374)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8EB1
RGB	154, 142, 177
RGB Percent	60%, 56%, 69%
CMY	0.3961, 0.4431, 0.3059
CMYK	0.13, 0.20, 0.00, 0.31
HSL	261°, 18%, 63%
HSV	261°, 20%, 69%
XYZ	30.9352, 29.3904, 45.6374
YIQ	149.5780, -4.0830, 13.4290

Conversions

Conversions Part 2

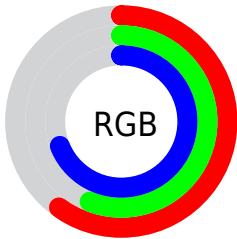
Format	Color
RYB	154, 142, 177
Decimal	10129073
CIELab	61.12, 11.50, -16.70
CIELCh	61, 20.278, 304.549
Yxy	29.3904, 0.2919, 0.2774
Android (android.graphics.Color)	4288319153 (0xFF9A8EB1)
YUV	149.5780, 13.5190, 3.8781
Hunter-Lab	54.2129, 6.9838, -11.9623

Details

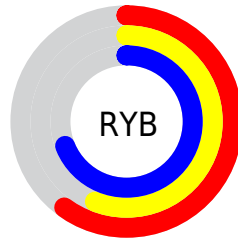
The XYZ color **30.9352, 29.3904, 45.6374** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.1228, 41.3974, 31.6793**, and the grayscale version is **28.7574, 30.2551, 32.9478**.

A 20% lighter version of the original color is **60.7424, 58.9184, 85.2617**, and **13.0588, 11.9931, 20.6954** is the 20% darker color. If you saturate the color by 10%, you get **26.4004, 23.4494, 44.7301**, and if you desaturate by 10%, it is **36.1046, 36.2808, 46.6954**.

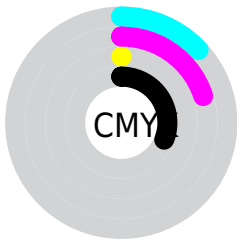
Distribution



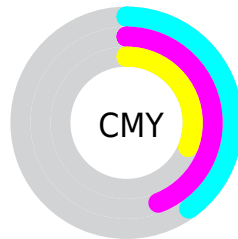
- Red (60%)
- Green (56%)
- Blue (69%)



- Red (60%)
- Yellow (56%)
- Blue (69%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9352, 29.3904, 45.6374 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 30.9352, 29.3904, 45.6374 by changing the saturation by 10% instead.

■ 30.9352, 29.3904,
45.6374

■ 30.9352, 29.3904,
45.6374

298.0719,
299.0525, 385.5841

■ 20.7011, 19.3763,
31.6132

■ 60.5146, 58.6968,
85.0046

■ 13.0169, 11.9425,
20.8038

■ 80.5905, 78.7579,
111.1847

■ 7.5173, 6.7046,
12.7909

■ 104.6779,
102.9368, 142.2539

■ 3.8368, 3.2780,
7.1557

133.1419,
131.6180, 178.6306

■ 1.6102, 1.2786,
3.4797

166.3479,
165.1857, 220.7334

■ 0.3991, 0.1245,
1.3445

204.6614,

■ 0.0000, 0.0000,

204.0245, 268.9809

0.0978

248.4476,
248.5186, 323.7916

■ 0.0000, 0.0000,
0.0000

■ 30.9352, 29.3904,
45.6374

■ 30.9352, 29.3904,
45.6374

■ 26.4004, 23.4494,
44.7301

■ 36.1046, 36.2808,
46.6954

■ 22.4717, 18.4116,
43.9648

■ 41.9300, 44.1568,
47.9086

■ 19.1223, 14.2324,
43.3347

■ 48.4353, 53.0570,
49.2836

■ 16.3224, 10.8619,
42.8317

■ 55.6422, 63.0169,
50.8262

■ 14.0391, 8.2448,
42.4469

■ 63.5715, 74.0703,
52.5418

■ 12.2356, 6.3186,
42.1701

■ 72.2431, 86.2494,
54.4356

■ 10.8695, 5.0103,
41.9896

■ 78.0980, 92.4293,
55.3198

■ 9.8612, 4.1734,
41.8812

■ 82.0746, 94.4793,
55.5059

■ 9.8406, 4.1563,
41.8790

■ 84.9359, 95.9544,
55.6399

Harmonies

Analogous

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



28.3421, 29.3904, 48.9263



30.9352, 29.3904, 45.6374



32.8095, 29.3904, 38.7139

Triad

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



30.9352, 29.3904, 45.6374



30.1896, 29.3904, 20.5184



23.1424, 29.3904, 33.1765

Complementary

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



30.9352, 29.3904, 45.6374



36.1228, 41.3974, 31.6793

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.



23.5684, 29.3904, 26.1130



30.9352, 29.3904, 45.6374



27.5312, 29.3904, 19.5132

Square

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



30.9352, 29.3904, 45.6374



32.3602, 29.3904, 24.3958



25.1348, 29.3904, 21.3940



23.9323, 29.3904, 41.0426

Rectangle

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



30.9352, 29.3904, 45.6374



33.3388, 29.3904, 33.4121



25.1348, 29.3904, 21.3940



23.1486, 29.3904, 30.6305

Sweetspot

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



30.9361, 29.3916, 45.6381



68.3513, 69.9447, 84.3935



32.6075, 35.9568, 46.8172



14.6732, 14.9698, 18.2604



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.



30.9361, 29.3916, 45.6381



51.4995, 47.4970, 80.9488



34.4407, 31.1983, 45.8021



8.3075, 8.3671, 10.6835



7.1892, 3.0420, 30.3452



0.2903, 0.1288, 0.9578

Inverse Universe

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



34.5971, 31.4111, 39.8384



59.4002, 51.8590, 68.2562



32.7883, 39.6784, 31.5232



8.7238, 8.5962, 10.0438



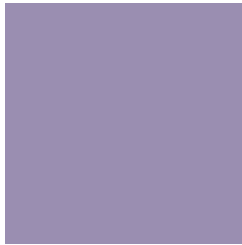
15.4638, 7.7031, 12.8684



0.5126, 0.2528, 0.5422

Previews

White Background



This preview shows how the XYZ color 30.9352, 29.3904, 45.6374 looks on a white background.

Color Contrast Check

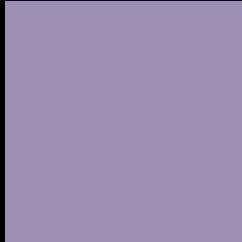
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9352, 29.3904, 45.6374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

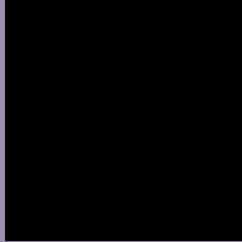
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9352, 29.3904, 45.6374

Background



This preview shows how black text looks on a background with the XYZ color 30.9352, 29.3904, 45.6374.



This preview shows how white text looks on a background with the XYZ color 30.9352, 29.3904,

45.6374.

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

30.9352, 29.3904, 45.6374

Protanopia

29.3323, 29.4285, 47.3143

Deuteranopia

30.1218, 29.4167, 45.6854



Tritanopia

29.1272, 29.5714, 36.0710

Trichromacy



Original Color

30.9352, 29.3904, 45.6374

Protanomaly

29.9391, 29.5252, 46.7688

Deuteranomaly

30.3359, 29.3033, 45.6522

Tritanomaly

29.7751, 29.6065, 39.2673

Monochromacy



Original Color

30.9352, 29.3904, 45.6374

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5414, 29.9848, 37.4884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9352, 29.3904, 45.6374 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(154, 142, 177)` looks like.

```
.text, #text, p{  
    color:rgb(154, 142, 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(154, 142, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 142, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.9352, 29.3904, 45.6374 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(154, 142, 177) }
```


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

```
.border{ border-color:rgb(154, 142, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 142, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 142, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 142, 177);  
box-shadow:4px 4px 4px 4px rgb(154, 142,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9352, 29.3904, 45.6374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 142, 177) }
```

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

```
.background{ background-color: rgb(154,  
142, 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](#).

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