

Converting Colors

XYZ(30.1667, 29.1450, 45.9338)

Have a look what the booklet for
XYZ(30.1667, 29.1450, 45.9338)
contains.

XYZ(30.2528, 29.2488, 46.1706)	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(30.2528, 29.2488,
46.1706)**

Conversions

Conversions Part 1

Format	Color
Hex	958FB2
RGB	149, 143, 178
RGB Percent	58%, 56%, 70%
CMY	0.4157, 0.4392, 0.3020
CMYK	0.16, 0.20, 0.00, 0.30
HSL	250°, 19%, 63%
HSV	250°, 20%, 70%
XYZ	30.2528, 29.2488, 46.1706
YIQ	148.7840, -7.6590, 12.1570

Conversions

Conversions Part 2

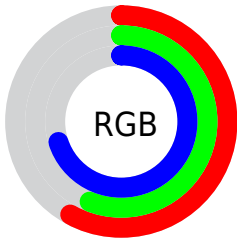
Format	Color
RYB	149, 143, 178
Decimal	9801650
CIELab	61.00, 9.49, -17.50
CIELCh	61, 19.903, 298.468
Yxy	29.2488, 0.2863, 0.2768
Android (android.graphics.Color)	4287991730 (0xFF958FB2)
YUV	148.7840, 14.4035, 0.1894
Hunter-Lab	54.0822, 5.2066, -12.7591

Details

The XYZ color **30.2528, 29.2488, 46.1706** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.8924, 42.5953, 32.2124**, and the grayscale version is **28.4208, 29.9009, 32.5621**.

A 20% lighter version of the original color is **59.4461, 58.5695, 86.0138**, and **12.6530, 11.9060, 21.0332** is the 20% darker color. If you saturate the color by 10%, you get **25.2672, 23.0222, 45.2320**, and if you desaturate by 10%, it is **36.0050, 36.5015, 47.2678**.

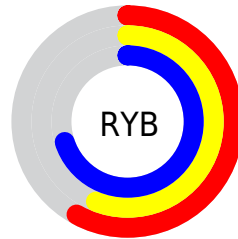
Distribution



Red (58%)

Green (56%)

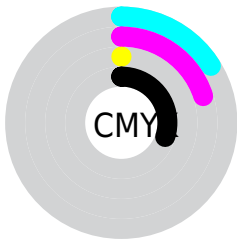
Blue (70%)



Red (58%)

Yellow (56%)

Blue (70%)

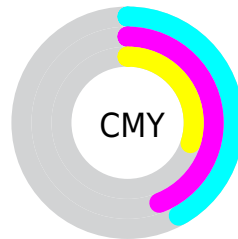


Cyan (16%)

Magenta (20%)

Yellow (0%)

Black (30%)



Cyan (42%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2528, 29.2488, 46.1706 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 30.2528, 29.2488, 46.1706 by changing the saturation by 10% instead.

■ 30.2528, 29.2488,
46.1706

■ 30.2528, 29.2488,
46.1706

294.9698,
298.3871, 387.7916

■ 20.1796, 19.2691,
32.0308

■ 59.4456, 58.4721,
85.8112

■ 12.6347, 11.8649,
21.1200

■ 79.2959, 78.4846,
112.1492

■ 7.2527, 6.6517,
13.0197

■ 103.1360,
102.6101, 143.3902

■ 3.6684, 3.2453,
7.3112

131.3311,
131.2330, 179.9530

■ 1.5163, 1.2611,
3.5761

164.2467,
164.7378, 222.2560

■ 0.3369, 0.1108,
1.3958

202.2481,

■ 0.0000, 0.0000,

203.5088, 270.7177

0.1384

245.7007,
247.9304, 325.7567

■ 0.0000, 0.0000,
0.0000

■ 30.2528, 29.2488,
46.1706

■ 30.2528, 29.2488,
46.1706

■ 25.2672, 23.0222,
45.2320

■ 36.0050, 36.5015,
47.2678

■ 21.0129, 17.7717,
44.4428

■ 42.5517, 44.8200,
48.5284

■ 17.4557, 13.4483,
43.7958

■ 49.9229, 54.2467,
49.9594

■ 14.5577, 9.9976,
43.2824

■ 58.1460, 64.8202,
51.5669

■ 12.2771, 7.3592,
42.8934

■ 67.2471, 76.5775,
53.3566

■ 10.5673, 5.4650,
42.6179

■ 77.2515, 89.5537,
55.3340

■ 9.3748, 4.2354,
42.4434

■ 84.0296, 95.4756,
56.1198

■ 8.6079, 3.5189,
42.3455

■ 85.0360, 95.9944,
56.1669

■ 8.5864, 3.4982,
42.3426

Harmonies

Analogous

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



27.6666, 29.2488, 48.4180



30.2528, 29.2488, 46.1706



32.2845, 29.2488, 39.9404

Triad

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



30.2528, 29.2488, 46.1706



30.4985, 29.2488, 21.1322



23.0944, 29.2488, 31.4655

Complementary

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



30.2528, 29.2488, 46.1706



37.8924, 42.5953, 32.2124

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.



23.7515, 29.2488, 24.9282



30.2528, 29.2488, 46.1706



27.9341, 29.2488, 19.5675

Square

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



30.2528, 29.2488, 46.1706



32.4325, 29.2488, 25.4959



25.4837, 29.2488, 20.8422



23.6313, 29.2488, 39.1738

Rectangle

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



30.2528, 29.2488, 46.1706



32.9939, 29.2488, 34.7972



25.4837, 29.2488, 20.8422



23.1821, 29.2488, 29.0684

Sweetspot

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



30.2537, 29.2500, 46.1713



69.3478, 71.3336, 86.4949



34.1487, 38.6233, 47.7752



15.1991, 15.5946, 19.1312



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.2537, 29.2500, 46.1713



50.3946, 47.4474, 82.8834



33.6551, 31.0035, 46.3304



8.1733, 8.2978, 10.6772



6.1816, 2.5225, 30.2981



0.2356, 0.1006, 0.9552

Inverse Universe

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



35.6298, 32.0896, 43.3467



62.1430, 53.6564, 76.5433



34.3329, 40.7603, 32.0458



8.7863, 8.6212, 10.3728



16.9529, 8.2987, 20.7099



0.5499, 0.2677, 0.7384

Previews

White Background



This preview shows how the XYZ color 30.2528, 29.2488, 46.1706 looks on a white background.

Color Contrast Check

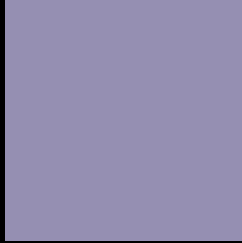
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2528, 29.2488, 46.1706 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 30.2528, 29.2488, 46.1706

Background



This preview shows how black text looks on a background with the XYZ color 30.2528, 29.2488, 46.1706.



This preview shows how white text looks on a background with the XYZ color 30.2528, 29.2488,

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

30.2528, 29.2488, 46.1706

Protanopia

29.1646, 29.3420, 47.3065

Deuteranopia

29.8632, 29.2719, 46.1956



Tritanopia

28.4593, 29.4471, 36.5316

Trichromacy



Original Color

30.2528, 29.2488, 46.1706

Protanomaly

29.5898, 29.3451, 46.7524

Deuteranomaly

30.0418, 29.3639, 46.2039

Tritanomaly

29.1030, 29.4774, 39.7531

Monochromacy



Original Color

30.2528, 29.2488, 46.1706

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1733, 29.7951, 37.4711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2528, 29.2488, 46.1706 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(149, 143, 178)` looks like.

```
.text, #text, p{  
    color:rgb(149, 143, 178)  
}
```

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(149, 143, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 143, 178) }
```

Border

The CSS property to change the border of an element to XYZ 30.2528, 29.2488, 46.1706 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(149, 143, 178) }
```


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

```
.border{ border-color:rgb(149, 143, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 143, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 143, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 143, 178);  
box-shadow:4px 4px 4px 4px rgb(149, 143,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2528, 29.2488, 46.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 143, 178) }
```

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

```
.background{ background-color: rgb(149,  
143, 178) }
```

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