

Converting Colors

XYZ(29.9635, 29.4765, 46.3765)

Have a look what the booklet for
XYZ(29.9635, 29.4765, 46.3765)
contains.

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Color

**XYZ(30.0153, 29.5761,
46.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	9291B2
RGB	146, 145, 178
RGB Percent	57%, 57%, 70%
CMY	0.4274, 0.4314, 0.3020
CMYK	0.18, 0.19, 0.00, 0.30
HSL	242°, 18%, 63%
HSV	242°, 19%, 70%
XYZ	30.0153, 29.5761, 46.2463
YIQ	149.0610, -9.9970, 10.4750

Conversions

Conversions Part 2

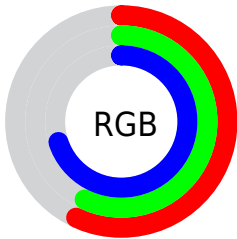
Format	Color
RYB	146, 145, 178
Decimal	9605554
CIELab	61.29, 7.36, -17.09
CIELCh	61, 18.602, 293.300
Yxy	29.5761, 0.2836, 0.2794
Android (android.graphics.Color)	4287795634 (0xFF9291B2)
YUV	149.0610, 14.2669, -2.6845
Hunter-Lab	54.3839, 3.3450, -12.3495

Details

The XYZ color **30.0153, 29.5761, 46.2463** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.1637, 43.2330, 33.0700**, and the grayscale version is **28.5383, 30.0245, 32.6967**.

A 20% lighter version of the original color is **59.0941, 59.0667, 86.1283**, and **12.5132, 12.0980, 21.0777** is the 20% darker color. If you saturate the color by 10%, you get **24.6654, 23.0925, 45.2773**, and if you desaturate by 10%, it is **36.2565, 37.1533, 47.3804**.

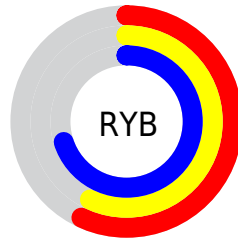
Distribution



Red (57%)

Green (57%)

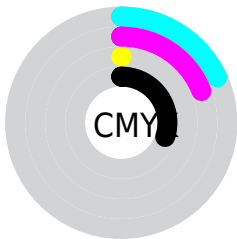
Blue (70%)



Red (57%)

Yellow (57%)

Blue (70%)

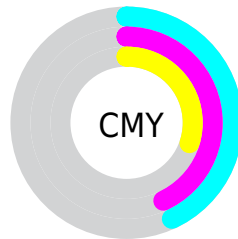


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (30%)



Cyan (43%)

Magenta (43%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0153, 29.5761, 46.2463 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 30.0153, 29.5761, 46.2463 by changing the saturation by 10% instead.

■ 30.0153, 29.5761,
46.2463

■ 30.0153, 29.5761,
46.2463

293.8843,
299.9235, 388.1043

■ 19.9983, 19.5171,
32.0902

■ 59.0728, 58.9912,
85.9256

■ 12.5021, 12.0445,
21.1650

■ 78.8441, 79.1160,
112.2859

■ 7.1612, 6.7740,
13.0522

102.5975,
103.3648, 143.5514

■ 3.6104, 3.3212,
7.3334

130.6985,
132.1221, 180.1404

■ 1.4841, 1.3016,
3.5899

163.5122,
165.7722, 222.4717

■ 0.3150, 0.1424,
1.4032

201.4042,

■ 0.0000, 0.0000,

204.6996, 270.9638

0.1442

244.7398,
249.2885, 326.0351

■ 0.0000, 0.0000,
0.0000

■ 30.0153, 29.5761,
46.2463

■ 30.0153, 29.5761,
46.2463

■ 24.6654, 23.0925,
45.2773

■ 36.2565, 37.1533,
47.3804

■ 20.1637, 17.6485,
44.4638

■ 43.4241, 45.8675,
48.6846

■ 16.4672, 13.1912,
43.7982

■ 51.5548, 55.7640,
50.1663

■ 13.5286, 9.6616,
43.2718

■ 60.6824, 66.8848,
51.8318

■ 11.2953, 6.9942,
42.8747

■ 70.8390, 79.2697,
53.6870

■ 9.7082, 5.1150,
42.5956

■ 82.0555, 92.9568,
55.7377

■ 8.6984, 3.9379,
42.4216

■ 85.0360, 95.9944,
56.1669

■ 8.1632, 3.3219,
42.3309

■ 8.1034, 3.2491,
42.3200

Harmonies

Analogous

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



27.5653, 29.5761, 47.5409



30.0153, 29.5761, 46.2463



32.0584, 29.5761, 40.9546

Triad

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



30.0153, 29.5761, 46.2463



31.0205, 29.5761, 22.5552



23.6888, 29.5761, 30.6552

Complementary

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



30.0153, 29.5761, 46.2463



39.1637, 43.2330, 33.0700

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.



24.5020, 29.5761, 24.7970



30.0153, 29.5761, 46.2463



28.6642, 29.5761, 20.5800

Square

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



30.0153, 29.5761, 46.2463



32.6620, 29.5761, 27.1580



26.2894, 29.5761, 21.3368



24.0041, 29.5761, 37.8378

Rectangle

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



30.0153, 29.5761, 46.2463



32.8673, 29.5761, 36.2366



26.2894, 29.5761, 21.3368



23.8376, 29.5761, 28.4811

Sweetspot

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



30.0162, 29.5773, 46.2470



68.7546, 71.0278, 86.4672



35.5250, 40.8572, 48.1339



15.0550, 15.5204, 19.1245



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.



30.0162, 29.5773, 46.2470



50.5163, 48.8878, 83.1550



33.0727, 31.1530, 46.3900



8.0649, 8.2420, 10.6721



5.8077, 2.3298, 30.2806



0.1906, 0.0773, 0.9531

Inverse Universe

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



36.4223, 32.8913, 46.0253



64.1726, 55.9531, 82.6533



35.7200, 41.4577, 32.9089



8.8387, 8.6422, 10.6490



18.5116, 8.9222, 28.9175



0.5859, 0.2821, 0.9280

Previews

White Background



This preview shows how the XYZ color 30.0153, 29.5761, 46.2463 looks on a white background.

Color Contrast Check

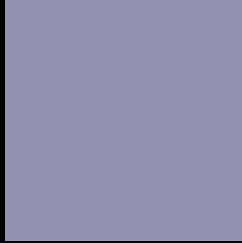
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0153, 29.5761, 46.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

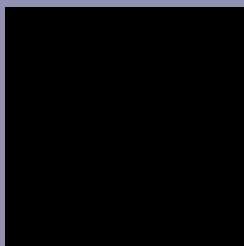
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0153, 29.5761, 46.2463

Background



This preview shows how black text looks on a background with the XYZ color 30.0153, 29.5761, 46.2463.



This preview shows how white text looks on a background with the XYZ color 30.0153, 29.5761,

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

30.0153, 29.5761, 46.2463

Protanopia

29.4001, 29.4752, 46.7875

Deuteranopia

30.1939, 29.6682, 46.2546



Tritanopia

28.2628, 29.5575, 37.4733

Trichromacy



Original Color

30.0153, 29.5761, 46.2463

Protanomaly

29.7433, 29.6521, 46.8036

Deuteranomaly

30.1939, 29.6682, 46.2546

Tritanomaly

28.9104, 29.5867, 40.7463

Monochromacy



Original Color

30.0153, 29.5761, 46.2463

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1478, 30.0138, 37.5147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0153, 29.5761, 46.2463 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(146, 145, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 145, 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(146, 145, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 145, 178) }
```

Border

The CSS property to change the border of an element to XYZ 30.0153, 29.5761, 46.2463 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(146, 145, 178) }
```


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

```
.border{ border-color:rgb(146, 145, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 145, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 145, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 145, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 145,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0153, 29.5761, 46.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 145, 178) }
```

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

```
.background{ background-color: rgb(146,  
145, 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](#).

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