

Converting Colors

XYZ(29.7186, 29.4584, 44.6780)

Have a look what the booklet for
XYZ(29.7186, 29.4584, 44.6780)
contains.

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Color

**XYZ(29.7173, 29.4569,
44.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	9291AF
RGB	146, 145, 175
RGB Percent	57%, 57%, 69%
CMY	0.4274, 0.4314, 0.3137
CMYK	0.17, 0.17, 0.00, 0.31
HSL	242°, 16%, 63%
HSV	242°, 17%, 69%
XYZ	29.7173, 29.4569, 44.6769
YIQ	148.7190, -9.0340, 9.5420

Conversions

Conversions Part 2

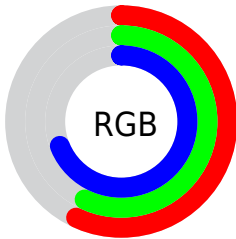
Format	Color
R_{YB}	146, 145, 175
Decimal	9605551
CIE Lab	61.18, 6.68, -15.54
CIE LCh	61, 16.917, 293.241
Yxy	29.4569, 0.2862, 0.2836
Android (android.graphics.Color)	4287795631 (0xFF9291AF)
YUV	148.7190, 12.9565, -2.3846
Hunter-Lab	54.2742, 2.7560, -10.8138

Details

The XYZ color **29.7173, 29.4569, 44.6769** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.8973, 41.7037, 32.8416**, and the grayscale version is **28.3998, 29.8788, 32.5380**.

A 20% lighter version of the original color is **58.6666, 58.8957, 83.8773**, and **12.3244, 12.0225, 20.0834** is the 20% darker color. If you saturate the color by 10%, you get **24.4585, 23.0779, 43.7233**, and if you desaturate by 10%, it is **35.8349, 36.8915, 45.7900**.

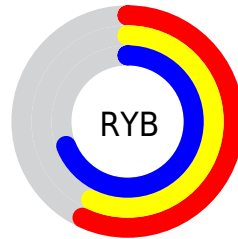
Distribution



Red (57%)

Green (57%)

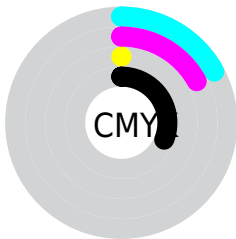
Blue (69%)



Red (57%)

Yellow (57%)

Blue (69%)

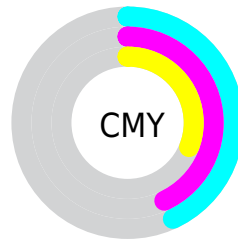


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (31%)



Cyan (43%)

Magenta (43%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7173, 29.4569, 44.6769 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 29.7173, 29.4569, 44.6769 by changing the saturation by 10% instead.

■ 29.7173, 29.4569,
44.6769

■ 29.7173, 29.4569,
44.6769

292.5180,
299.3647, 381.5853

■ 19.7711, 19.4267,
30.8619

■ 58.6045, 58.8022,
83.5487

■ 12.3361, 11.9790,
20.2361

■ 78.2763, 78.8862,
109.4425

■ 7.0468, 6.7294,
12.3810

101.9206,
103.0902, 140.1997

■ 3.5380, 3.2935,
6.8781

129.9028,
131.7986, 176.2389

■ 1.4442, 1.2868,
3.3087

162.5883,
165.3959, 217.9785

■ 0.2874, 0.1309,
1.2543

200.3424,

■ 0.0000, 0.0000,

204.2664, 265.8370

0.0239

243.5306,
248.7945, 320.2331

■ 0.0000, 0.0000,
0.0000

■ 29.7173, 29.4569,
44.6769

■ 29.7173, 29.4569,
44.6769

■ 24.4585, 23.0779,
43.7233

■ 35.8349, 36.8915,
45.7900

■ 20.0175, 17.7034,
42.9200

■ 42.8443, 45.4228,
47.0672

■ 16.3540, 13.2832,
42.2598

■ 50.7804, 55.0939,
48.5157

■ 13.4233, 9.7615,
41.7346

■ 59.6752, 65.9447,
50.1413

■ 11.1761, 7.0767,
41.3348

■ 69.5592, 78.0131,
51.9498

■ 9.5570, 5.1595,
41.0501

■ 80.4616, 91.3352,
53.9466

■ 8.5020, 3.9294,
40.8682

■ 84.7380, 95.8752,
54.5975

■ 7.9258, 3.2726,
40.7718

■ 7.8109, 3.1328,
40.7509

Harmonies

Analogous

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



27.4982, 29.4569, 45.8185



29.7173, 29.4569, 44.6769



31.5610, 29.4569, 39.9648

Triad

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



29.7173, 29.4569, 44.6769



30.6325, 29.4569, 23.2380



23.9671, 29.4569, 30.6554

Complementary

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



29.7173, 29.4569, 44.6769



37.8973, 41.7037, 32.8416

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.



24.7136, 29.4569, 25.2961



29.7173, 29.4569, 44.6769



28.5036, 29.4569, 21.3955

Square

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



29.7173, 29.4569, 44.6769



32.1086, 29.4569, 27.4849



26.3461, 29.4569, 22.0959



24.2539, 29.4569, 37.1465

Rectangle

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



29.7173, 29.4569, 44.6769



32.2899, 29.4569, 35.7315



26.3461, 29.4569, 22.0959



24.1042, 29.4569, 28.6742

Sweetspot

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



29.7182, 29.4581, 44.6776



66.6254, 69.0475, 82.4528



34.6486, 39.5812, 46.3717



14.6243, 15.1228, 18.2925



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.



29.7182, 29.4581, 44.6776



49.0638, 47.7089, 79.2597



32.4616, 30.8724, 44.8059



7.6026, 7.7695, 10.0516



5.6040, 2.2489, 29.1832



0.1637, 0.0666, 0.8122

Inverse Universe

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



35.4455, 32.4219, 44.4355



61.4814, 54.1356, 78.7033



34.8391, 40.1271, 32.6985



8.3254, 8.1434, 10.0243



17.8057, 8.5848, 27.6857



0.4988, 0.2402, 0.7886

Previews

White Background



This preview shows how the XYZ color 29.7173, 29.4569, 44.6769 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 29.7173, 29.4569, 44.6769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

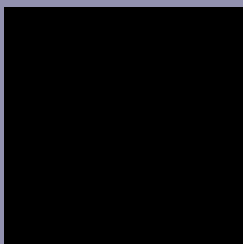
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7173, 29.4569, 44.6769

Background



This preview shows how black text looks on a background with the XYZ color 29.7173, 29.4569, 44.6769.



This preview shows how white text looks on a background with the XYZ color 29.7173, 29.4569,

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

29.7173, 29.4569, 44.6769

Protanopia

29.0999, 29.3551, 45.2067

Deuteranopia

29.9239, 29.3376, 44.6430



Tritanopia

28.1756, 29.5227, 37.0143

Trichromacy



Original Color

29.7173, 29.4569, 44.6769

Protanomaly

29.4430, 29.5320, 45.2227

Deuteranomaly

29.7437, 29.2447, 44.6346

Tritanomaly

28.7268, 29.5133, 39.7799

Monochromacy



Original Color

29.7173, 29.4569, 44.6769

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.9742, 29.9443, 36.6005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7173, 29.4569, 44.6769 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(146, 145, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 145, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.7173, 29.4569, 44.6769 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, 175) }
```


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

```
.border{ border-color:rgb(146, 145, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(146, 145,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7173, 29.4569, 44.6769 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, 175) }
```

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

```
.background{ background-color: rgb(146,  
145, 175) }
```

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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