

Converting Colors

XYZ(29.7028, 24.3081, 65.4147)

Have a look what the booklet for
XYZ(29.7028, 24.3081, 65.4147)
contains.

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Color

**XYZ(29.6584, 24.2480,
65.4045)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7AD4
RGB	140, 122, 212
RGB Percent	55%, 48%, 83%
CMY	0.4510, 0.5216, 0.1686
CMYK	0.34, 0.42, 0.00, 0.17
HSL	252°, 51%, 65%
HSV	252°, 42%, 83%
XYZ	29.6584, 24.2480, 65.4045
YIQ	137.6420, -18.1620, 31.8060

Conversions

Conversions Part 2

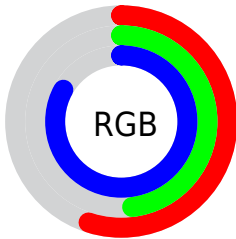
Format	Color
RYB	140, 122, 212
Decimal	9206484
CIELab	56.34, 27.35, -44.03
CIELCh	56, 51.835, 301.840
Yxy	24.2480, 0.2486, 0.2032
Android (android.graphics.Color)	4287396564 (0xFF8C7AD4)
YUV	137.6420, 36.6585, 2.0680
Hunter-Lab	49.2423, 21.3358, -44.2805

Details

The XYZ color **29.6584, 24.2480, 65.4045** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **49.3048, 59.9619, 27.3883**, and the grayscale version is **23.8920, 25.1362, 27.3734**.

A 20% lighter version of the original color is **56.1449, 49.6157, 101.2254**, and **12.3061, 9.1778, 33.0212** is the 20% darker color. If you saturate the color by 10%, you get **24.6928, 18.2367, 64.5064**, and if you desaturate by 10%, it is **35.6340, 31.6237, 66.5136**.

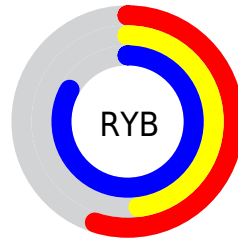
Distribution



Red (55%)

Green (48%)

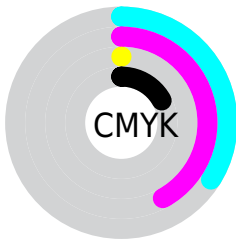
Blue (83%)



Red (55%)

Yellow (48%)

Blue (83%)

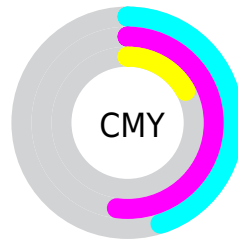


Cyan (34%)

Magenta (42%)

Yellow (0%)

Black (17%)



Cyan (45%)

Magenta (52%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6584, 24.2480, 65.4045 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 29.6584, 24.2480, 65.4045 by changing the saturation by 10% instead.

■ 29.6584, 24.2480,
65.4045

■ 29.6584, 24.2480,
65.4045

292.2474,
274.0719, 462.5901

■ 19.7262, 15.5177,
47.3357

■ 58.5119, 50.4346,
114.2500

■ 12.3033, 9.1835,
32.9449

■ 78.1639, 68.6597,
145.8639

■ 7.0243, 4.8611,
21.8135

■ 101.7866, 90.8185,
182.8298

■ 3.5237, 2.1660,
13.5229

129.7453,
117.2954, 225.5664

■ 1.4364, 0.7014,
7.6546

162.4054,
148.4748, 274.4922

■ 0.2819, 0.0000,
3.7902

200.1322,

■ 0.0000, 0.0000,

184.7410, 330.0257

1.5110

243.2911,
226.4786, 392.5855

■ 0.0000, 0.0000,
0.2261

■ 0.0000, 0.0000,
0.0000

■ 29.6584, 24.2480,
65.4045

■ 29.6584, 24.2480,
65.4045

■ 24.6928, 18.2367,
64.5064

■ 35.6340, 31.6237,
66.5136

■ 20.6771, 13.5020,
63.8041

■ 42.6697, 40.4386,
67.8443

■ 17.5489, 9.9503,
63.2835

■ 50.8154, 50.7653,
69.4082

■ 15.2363, 7.4733,
62.9272

■ 60.1170, 62.6707,
71.2159

■ 13.6558, 5.9421,
62.7150

■ 70.6177, 76.2177,
73.2773

■ 12.8551, 5.2543,
62.6244

■ 82.3585, 91.4656,
75.6016

■ 88.8837, 97.5335,
76.4290

Harmonies

Analogous

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



23.4181, 24.2480, 74.8655



29.6584, 24.2480, 65.4045



34.7390, 24.2480, 45.1844

Triad

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



29.6584, 24.2480, 65.4045



28.9084, 24.2480, 6.7147



13.3616, 24.2480, 27.4732

Complementary

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



29.6584, 24.2480, 65.4045



49.3048, 59.9619, 27.3883

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.



14.3257, 24.2480, 13.7141



29.6584, 24.2480, 65.4045



22.6799, 24.2480, 5.2746

Square

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



29.6584, 24.2480, 65.4045



34.2560, 24.2480, 12.5647



17.4993, 24.2480, 7.1480



14.5962, 24.2480, 47.8550

Rectangle

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



29.6584, 24.2480, 65.4045



36.4004, 24.2480, 31.3555



17.4993, 24.2480, 7.1480



13.4385, 24.2480, 21.9997

Sweetspot

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



29.6593, 24.2489, 65.4051



76.2790, 75.9556, 105.2483



39.2022, 47.4753, 69.3853



15.7098, 15.4728, 22.4085



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6593, 24.2489, 65.4051



38.1326, 28.4502, 98.0894



38.8515, 28.9876, 65.8353



11.9723, 12.1271, 15.6473



8.0018, 3.2776, 38.6640



0.5510, 0.2329, 2.3352

Inverse Universe

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



43.8490, 31.8119, 54.8683



62.7086, 41.5711, 78.8394



39.4514, 54.8822, 26.9272



12.8416, 12.5881, 15.1062



21.2542, 10.4380, 24.4406



1.3096, 0.6406, 1.6199

Previews

White Background



This preview shows how the XYZ color 29.6584, 24.2480, 65.4045 looks on a white background.

Color Contrast Check

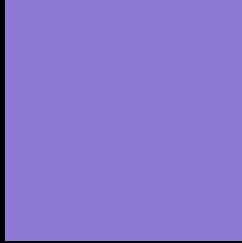
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6584, 24.2480, 65.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

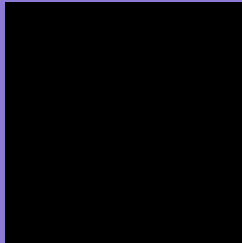
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6584, 24.2480, 65.4045

Background



This preview shows how black text looks on a background with the XYZ color 29.6584, 24.2480, 65.4045.



This preview shows how white text looks on a background with the XYZ color 29.6584, 24.2480,

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

29.6584, 24.2480, 65.4045

Protanopia

26.4480, 24.3756, 71.7176

Deuteranopia

25.1024, 24.4728, 63.7223



Tritanopia

22.6748, 24.1505, 31.0702

Trichromacy



Original Color

29.6584, 24.2480, 65.4045

Protanomaly

27.3135, 24.0777, 69.5376

Deuteranomaly

26.4255, 24.1291, 64.2374

Tritanomaly

24.8271, 23.9982, 41.8517

Monochromacy



Original Color

29.6584, 24.2480, 65.4045

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.6903, 24.7081, 39.0124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6584, 24.2480, 65.4045 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(140, 122, 212)` looks like.

```
.text, #text, p{  
    color:rgb(140, 122, 212)  
}
```

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(140, 122, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 122, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.6584, 24.2480, 65.4045 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(140, 122, 212) }
```


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

```
.border{ border-color:rgb(140, 122, 212) }
```

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

Here you see how a box with a 4 pixel rgb(140, 122, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 122, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 122, 212);  
box-shadow:4px 4px 4px 4px rgb(140, 122,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6584, 24.2480, 65.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 122, 212) }
```

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

```
.background{ background-color: rgb(140,  
122, 212) }
```

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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