

Converting Colors

XYZ(29.1163, 24.2068, 79.5193)

Have a look what the booklet for
XYZ(29.1163, 24.2068, 79.5193)
contains.

XYZ(29.1016, 24.2064, 79.4824)	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(29.1016, 24.2064,
79.4824)**

Conversions

Conversions Part 1

Format	Color
Hex	747DE8
RGB	116, 125, 232
RGB Percent	45%, 49%, 91%
CMY	0.5451, 0.5098, 0.0902
CMYK	0.50, 0.46, 0.00, 0.09
HSL	235°, 72%, 68%
HSV	235°, 50%, 91%
XYZ	29.1016, 24.2064, 79.4824
YIQ	134.5070, -39.7110, 31.3690

Conversions

Conversions Part 2

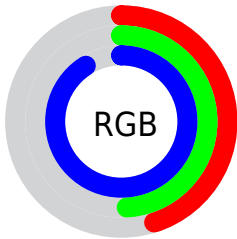
Format	Color
R _Y B	116, 124, 232
Decimal	7634408
CIE Lab	56.29, 25.39, -55.44
CIE LCh	56, 60.973, 294.607
Yxy	24.2064, 0.2192, 0.1823
Android (android.graphics.Color)	4285824488 (0xFF747DE8)
YUV	134.5070, 48.0640, -16.2306
Hunter-Lab	49.2000, 19.4820, -61.3428

Details

The XYZ color **29.1016, 24.2064, 79.4824** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.8207, 71.1952, 26.9558**, and the grayscale version is **22.6864, 23.8678, 25.9921**.

A 20% lighter version of the original color is **51.2277, 47.6630, 101.1076**, and **11.9965, 9.1157, 42.2015** is the 20% darker color. If you saturate the color by 10%, you get **23.9703, 17.9636, 78.5484**, and if you desaturate by 10%, it is **35.5885, 32.0149, 80.6482**.

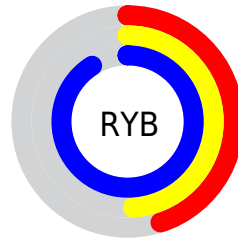
Distribution



Red (45%)

Green (49%)

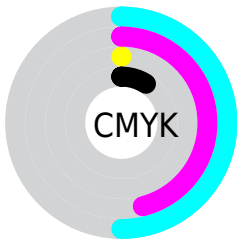
Blue (91%)



Red (45%)

Yellow (49%)

Blue (91%)

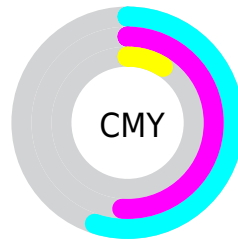


Cyan (50%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (55%)

Magenta (51%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1016, 24.2064, 79.4824 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 29.1016, 24.2064, 79.4824 by changing the saturation by 10% instead.

■ 29.1016, 24.2064,
79.4824

■ 29.1016, 24.2064,
79.4824

289.6796,
273.8623, 512.8475

■ 19.3024, 15.4868,
58.7689

■ 57.6349, 50.3668,
134.4426

■ 11.9943, 9.1617,
42.0083

■ 77.0997, 68.5764,
169.5263

■ 6.8119, 4.8468,
28.7822

■ 100.5170, 90.7181,
210.2372

■ 3.3901, 2.1577,
18.6719

128.2523,
117.1763, 256.9937

■ 1.3632, 0.6968,
11.2591

160.6708,
148.3355, 310.2145

■ 0.2298, 0.0000,
6.1250

198.1380,

■ 0.0000, 0.0000,

184.5799, 370.3180

2.8512

241.0191,
226.2941, 437.7228

■ 0.0000, 0.0000,
1.0192

■ 0.0000, 0.0000,
0.0000

■ 29.1016, 24.2064,
79.4824

■ 29.1016, 24.2064,
79.4824

■ 23.9703, 17.9636,
78.5484

■ 35.5885, 32.0149,
80.6482

■ 20.0954, 13.1784,
77.8290

■ 43.5148, 41.4828,
82.0579

■ 17.3687, 9.7326,
77.3076

■ 52.9612, 52.6991,
83.7250

■ 15.6623, 7.4881,
76.9643

■ 64.0015, 65.7457,
85.6614

■ 14.7819, 6.2588,
76.7734

■ 76.7046, 80.6996,
87.8782

■ 14.7818, 6.2586,
76.7734

■ 91.0594, 97.5939,
90.3826

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



21.7612, 24.2064, 86.6626



29.1016, 24.2064, 79.4824



35.8667, 24.2064, 55.7057

Triad

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



29.1016, 24.2064, 79.4824



31.7497, 24.2064, 5.7280



12.0108, 24.2064, 22.8856

Complementary

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



29.1016, 24.2064, 79.4824



62.8207, 71.1952, 26.9558

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.



13.6605, 24.2064, 9.7019



29.1016, 24.2064, 79.4824



24.3004, 24.2064, 3.5581

Square

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



29.1016, 24.2064, 79.4824



37.6006, 24.2064, 13.3090



17.8297, 24.2064, 4.5118



12.7832, 24.2064, 45.9652

Rectangle

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



29.1016, 24.2064, 79.4824



38.6395, 24.2064, 38.0148



17.8297, 24.2064, 4.5118



12.2883, 24.2064, 17.3649

Sweetspot

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



29.1026, 24.2072, 79.4830



72.1098, 72.9710, 104.8920



49.2897, 66.7189, 79.6227



14.8245, 14.8976, 22.3441



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.



29.1026, 24.2072, 79.4830



29.5316, 22.0490, 97.3071



36.1912, 26.2468, 79.5031



13.6722, 14.0658, 18.1387



8.2411, 3.5443, 42.6329



0.6405, 0.3249, 3.1609

Inverse Universe

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



43.2268, 31.1288, 23.1326



49.0210, 31.9746, 19.4674



51.6976, 69.1243, 27.1424



14.4221, 14.3860, 15.1573



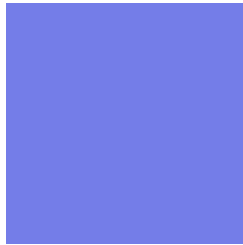
18.5532, 9.5555, 1.2764



1.3869, 0.7125, 0.1780

Previews

White Background



This preview shows how the XYZ color 29.1016, 24.2064, 79.4824 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 29.1016, 24.2064, 79.4824 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 29.1016, 24.2064, 79.4824

Background



This preview shows how black text looks on a background with the XYZ color 29.1016, 24.2064, 79.4824.



This preview shows how white text looks on a background with the XYZ color 29.1016, 24.2064,

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

29.1016, 24.2064, 79.4824

Protanopia

27.2952, 24.3369, 84.1478

Deuteranopia

25.1270, 24.3893, 77.5120



Tritanopia

20.0688, 24.2533, 34.1955

Trichromacy



Original Color

29.1016, 24.2064, 79.4824

Protanomaly

27.8144, 24.2434, 82.5704

Deuteranomaly

26.1903, 24.1005, 78.1344

Tritanomaly

22.6145, 23.7524, 47.6487

Monochromacy



Original Color

29.1016, 24.2064, 79.4824

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.2741, 23.7241, 41.3300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1016, 24.2064, 79.4824 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(116, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 232)  
}
```

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(116, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 232) }
```

Border

The CSS property to change the border of an element to XYZ 29.1016, 24.2064, 79.4824 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(116, 125, 232) }
```


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

```
.border{ border-color:rgb(116, 125, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 125, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 125, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 125, 232);  
box-shadow:4px 4px 4px 4px rgb(116, 125,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1016, 24.2064, 79.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 232) }
```

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

```
.background{ background-color: rgb(116,  
125, 232) }
```

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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