

Converting Colors

XYZ(29.0780, 24.6207, 64.4075)

Have a look what the booklet for
XYZ(29.0780, 24.6207, 64.4075)
contains.

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Color

**XYZ(28.9581, 24.4713,
64.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	877DD2
RGB	135, 125, 210
RGB Percent	53%, 49%, 82%
CMY	0.4706, 0.5098, 0.1765
CMYK	0.36, 0.40, 0.00, 0.18
HSL	247°, 49%, 66%
HSV	247°, 40%, 82%
XYZ	28.9581, 24.4713, 64.1699
YIQ	137.6800, -21.3250, 28.5550

Conversions

Conversions Part 2

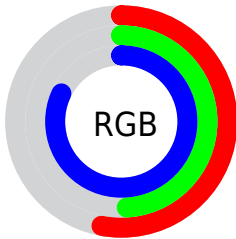
Format	Color
R_{YB}	135, 125, 210
Decimal	8879570
CIE _{Lab}	56.56, 23.70, -42.58
CIE _{LCh}	57, 48.736, 299.098
Yxy	24.4713, 0.2462, 0.2081
Android (android.graphics.Color)	4287069650 (0xFF877DD2)
YUV	137.6800, 35.6538, -2.3504
Hunter-Lab	49.4685, 17.9214, -42.2823

Details

The XYZ color **28.9581, 24.4713, 64.1699** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **50.5681, 59.8537, 28.2906**, and the grayscale version is **23.9110, 25.1562, 27.3951**.

A 20% lighter version of the original color is **55.4563, 50.1372, 101.3623**, and **11.8942, 9.2848, 32.1756** is the 20% darker color. If you saturate the color by 10%, you get **23.8491, 18.2999, 63.2484**, and if you desaturate by 10%, it is **35.1498, 32.0360, 65.3042**.

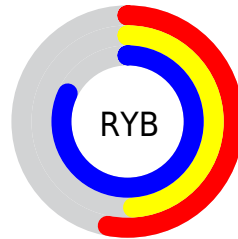
Distribution



Red (53%)

Green (49%)

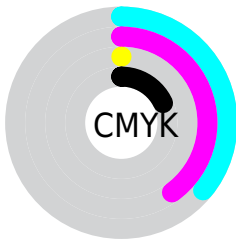
Blue (82%)



Red (53%)

Yellow (49%)

Blue (82%)

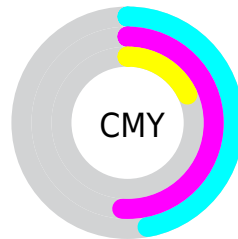


Cyan (36%)

Magenta (40%)

Yellow (0%)

Black (18%)



Cyan (47%)

Magenta (51%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9581, 24.4713, 64.1699 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 28.9581, 24.4713, 64.1699 by changing the saturation by 10% instead.

■ 28.9581, 24.4713,
64.1699

■ 28.9581, 24.4713,
64.1699

289.0150,
275.1946, 458.0272

■ 19.1932, 15.6836,
46.3412

■ 57.4085, 50.7982,
112.4574

■ 11.9148, 9.3005,
32.1646

■ 76.8248, 69.1062,
143.7533

■ 6.7575, 4.9377,
21.2214

■ 100.1890, 91.3564,
180.3754

■ 3.3559, 2.2108,
13.0931

127.8663,
117.9333, 222.7422

■ 1.3446, 0.7259,
7.3612

160.2222,
149.2211, 271.2722

■ 0.2163, 0.0000,
3.6072

197.6221,

■ 0.0000, 0.0000,

185.6043, 326.3840

1.4124

240.4312,
227.4674, 388.4962

■ 0.0000, 0.0000,
0.1514

■ 0.0000, 0.0000,
0.0000

■ 28.9581, 24.4713,
64.1699

■ 28.9581, 24.4713,
64.1699

■ 23.8491, 18.2999,
63.2484

■ 35.1498, 32.0360,
65.3042

■ 19.7574, 13.4336,
62.5248

■ 42.4789, 41.0693,
66.6615

■ 16.6148, 9.7788,
61.9850

■ 50.9999, 51.6442,
68.2535

■ 14.3434, 7.2277,
61.6123

■ 60.7627, 63.8284,
70.0908

■ 12.8526, 5.6534,
61.3870

■ 71.8144, 77.6852,
72.1829

■ 12.0267, 4.8561,
61.2766

■ 84.1999, 93.2746,
74.5392

■ 88.6329, 97.4332,
75.1082

Harmonies

Analogous

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



23.0886, 24.4713, 71.4866



28.9581, 24.4713, 64.1699



33.8926, 24.4713, 46.0514

Triad

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



28.9581, 24.4713, 64.1699



29.3024, 24.4713, 7.8612



13.9930, 24.4713, 26.1581

Complementary

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



28.9581, 24.4713, 64.1699



50.5681, 59.8537, 28.2906

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.



15.1210, 24.4713, 13.6384



28.9581, 24.4713, 64.1699



23.4307, 24.4713, 6.0618

Square

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



28.9581, 24.4713, 64.1699



34.1129, 24.4713, 14.1887



18.3619, 24.4713, 7.6460



14.9930, 24.4713, 44.8400

Rectangle

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



28.9581, 24.4713, 64.1699



35.6539, 24.4713, 32.9792



18.3619, 24.4713, 7.6460



14.1323, 24.4713, 21.1789

Sweetspot

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



28.9590, 24.4722, 64.1705



76.8082, 77.2406, 105.4684



40.7646, 50.3609, 68.5453



16.0520, 16.0502, 22.5019



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.



28.9590, 24.4722, 64.1705



37.6724, 29.1957, 98.2575



37.1937, 28.7174, 64.5559



11.2910, 11.4833, 14.8651



7.3803, 2.9850, 37.3797



0.4568, 0.1897, 2.0921

Inverse Universe

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



44.3379, 32.5398, 58.5878



65.0020, 43.5476, 87.6510



40.7677, 54.8013, 27.8320



12.2484, 11.9841, 14.5839



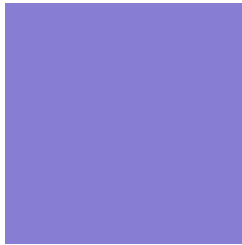
21.5973, 10.5118, 29.1152



1.2249, 0.5947, 1.7193

Previews

White Background



This preview shows how the XYZ color 28.9581, 24.4713, 64.1699 looks on a white background.

Color Contrast Check

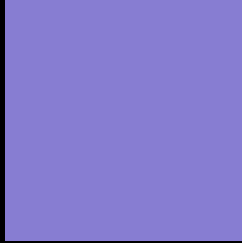
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9581, 24.4713, 64.1699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

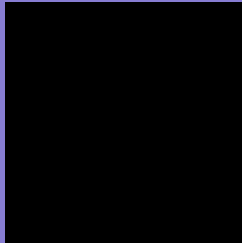
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9581, 24.4713, 64.1699

Background



This preview shows how black text looks on a background with the XYZ color 28.9581, 24.4713, 64.1699.



This preview shows how white text looks on a background with the XYZ color 28.9581, 24.4713,

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

28.9581, 24.4713, 64.1699

Protanopia

26.5054, 24.6684, 69.0101

Deuteranopia

25.3047, 24.5913, 63.0874



Tritanopia

22.3985, 24.4118, 31.9652

Trichromacy



Original Color

28.9581, 24.4713, 64.1699

Protanomaly

27.1905, 24.4651, 66.9075

Deuteranomaly

26.4350, 24.3468, 63.6277

Tritanomaly

24.3424, 24.1510, 41.9067

Monochromacy



Original Color

28.9581, 24.4713, 64.1699

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4049, 24.7738, 38.5648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9581, 24.4713, 64.1699 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(135, 125, 210)` looks like.

```
.text, #text, p{  
    color:rgb(135, 125, 210)  
}
```

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(135, 125, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 125, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.9581, 24.4713, 64.1699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

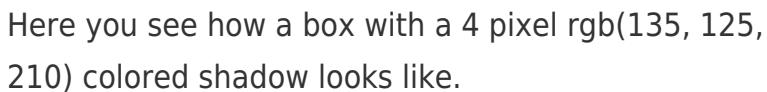
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 125, 210) }
```


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

```
.border{ border-color:rgb(135, 125, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 125, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 125, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 125, 210);  
box-shadow:4px 4px 4px 4px rgb(135, 125,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9581, 24.4713, 64.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 125, 210) }
```

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

```
.background{ background-color: rgb(135,  
125, 210) }
```

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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