

Converting Colors

XYZ(34.9758, 28.6400, 83.0680)

Have a look what the booklet for
XYZ(34.9758, 28.6400, 83.0680)
contains.

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Color

**XYZ(35.0295, 28.7605,
83.0620)**

Conversions

Conversions Part 1

Format	Color
Hex	9085EC
RGB	144, 133, 236
RGB Percent	56%, 52%, 93%
CMY	0.4353, 0.4784, 0.0745
CMYK	0.39, 0.44, 0.00, 0.07
HSL	246°, 73%, 72%
HSV	246°, 44%, 93%
XYZ	35.0295, 28.7605, 83.0620
YIQ	148.0310, -26.5070, 34.3650

Conversions

Conversions Part 2

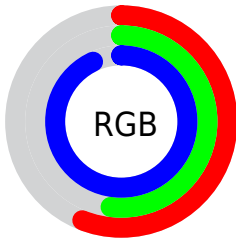
Format	Color
RYB	144, 133, 236
Decimal	9471468
CIELab	60.57, 28.44, -50.73
CIElCh	61, 58.157, 299.278
Yxy	28.7605, 0.2385, 0.1958
Android (android.graphics.Color)	4287661548 (0xFF9085EC)
YUV	148.0310, 43.3687, -3.5352
Hunter-Lab	53.6288, 22.7430, -54.2900

Details

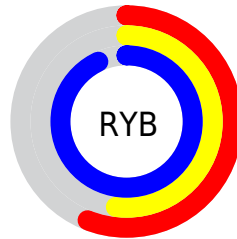
The XYZ color **35.0295, 28.7605, 83.0620** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.2804, 77.6922, 33.7466**, and the grayscale version is **27.9951, 29.4530, 32.0743**.

A 20% lighter version of the original color is **59.6963, 54.7553, 102.0302**, and **15.3560, 11.5565, 44.6013** is the 20% darker color. If you saturate the color by 10%, you get **28.8098, 21.2849, 81.9474**, and if you desaturate by 10%, it is **42.6647, 38.0441, 84.4520**.

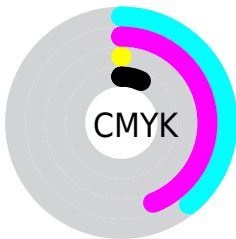
Distribution



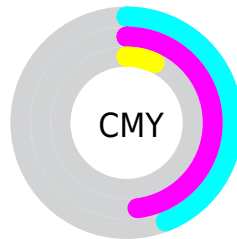
- Red (56%)
- Green (52%)
- Blue (93%)



- Red (56%)
- Yellow (52%)
- Blue (93%)



- Cyan (39%)
- Magenta (44%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (48%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0295, 28.7605, 83.0620 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 35.0295, 28.7605, 83.0620 by changing the saturation by 10% instead.

■ 35.0295, 28.7605,
83.0620

■ 35.0295, 28.7605,
83.0620

316.2043,
296.0833, 525.1695

■ 23.8522, 18.8997,
61.7004

■ 66.8652, 57.6963,
139.5123

■ 15.3482, 11.5978,
44.3564

■ 88.2543, 77.5402,
175.4381

■ 9.1520, 6.4705,
30.6116

■ 113.7781,
101.4805, 217.0557

■ 4.8984, 3.1332,
20.0473

143.8019,
129.9018, 264.7836

■ 2.2219, 1.2017,
12.2450

178.6910,
163.1882, 319.0404

■ 0.7542, 0.0631,
6.7862

218.8109,

■ 0.0000, 0.0000,

201.7244, 380.2446

3.2523

264.5269,
245.8946, 448.8148

■ 0.0000, 0.0000,
1.2249

■ 0.0000, 0.0000,
0.0000

■ 35.0295, 28.7605,
83.0620

■ 35.0295, 28.7605,
83.0620

■ 28.8098, 21.2849,
81.9474

■ 42.6647, 38.0441,
84.4520

■ 23.9145, 15.4960,
81.0881

■ 51.7918, 49.2400,
86.1320

■ 20.2475, 11.2625,
80.4642

■ 62.4861, 62.4484,
88.1178

■ 17.6976, 8.4322,
80.0523

■ 74.8166, 77.7614,
90.4237

■ 16.1332, 6.8216,
79.8239

■ 88.8482, 95.2656,
93.0628

■ 15.5465, 6.2655,
79.7475

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



27.1543, 28.7605, 93.6026



35.0295, 28.7605, 83.0620



41.7353, 28.7605, 57.5734

Triad

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



35.0295, 28.7605, 83.0620



35.4030, 28.7605, 7.5104



15.2829, 28.7605, 30.7966

Complementary

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



35.0295, 28.7605, 83.0620



65.2804, 77.6922, 33.7466

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.



16.7002, 28.7605, 14.5737



35.0295, 28.7605, 83.0620



27.5185, 28.7605, 5.4850

Square

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



35.0295, 28.7605, 83.0620



41.9773, 28.7605, 15.1231



20.8605, 28.7605, 7.3108



16.5694, 28.7605, 56.2281

Rectangle

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



35.0295, 28.7605, 83.0620



44.1344, 28.7605, 39.6633



20.8605, 28.7605, 7.3108



15.4540, 28.7605, 24.2294

Sweetspot

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



35.0306, 28.7615, 83.0627



75.3048, 75.4534, 105.2027



51.9288, 65.2731, 89.2195



15.4726, 15.3506, 22.3974



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.



35.0306, 28.7615, 83.0627



35.3039, 26.5191, 97.8657



45.9827, 34.4075, 83.5752



14.3805, 14.6259, 18.9874



8.6208, 3.4801, 43.9603



0.7269, 0.2990, 3.4543

Inverse Universe

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



56.5706, 40.0449, 75.9811



64.1015, 41.6186, 87.7454



51.7300, 70.7067, 33.1124



15.6414, 15.2844, 18.6631



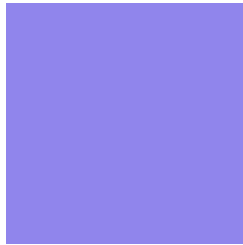
25.5637, 12.4282, 35.0993



2.0273, 0.9839, 2.8610

Previews

White Background



This preview shows how the XYZ color 35.0295, 28.7605, 83.0620 looks on a white background.

Color Contrast Check

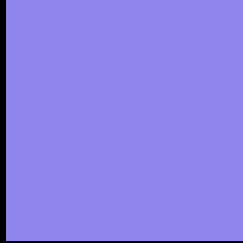
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0295, 28.7605, 83.0620 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 35.0295, 28.7605, 83.0620

Background



This preview shows how black text looks on a background with the XYZ color 35.0295, 28.7605, 83.0620.



This preview shows how white text looks on a background with the XYZ color 35.0295, 28.7605,

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

35.0295, 28.7605, 83.0620

Protanopia

31.8974, 29.1211, 90.3260

Deuteranopia

29.8107, 28.9278, 81.1032



Tritanopia

26.0321, 28.8569, 38.3803

Trichromacy



Original Color

35.0295, 28.7605, 83.0620

Protanomaly

32.7308, 28.7276, 87.8243

Deuteranomaly

31.1862, 28.5010, 81.6994

Tritanomaly

28.8314, 28.6072, 52.1463

Monochromacy



Original Color

35.0295, 28.7605, 83.0620

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.0933, 29.1433, 47.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0295, 28.7605, 83.0620 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(144, 133, 236)` looks like.

```
.text, #text, p{  
    color:rgb(144, 133, 236)  
}
```

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(144, 133, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 133, 236) }
```

Border

The CSS property to change the border of an element to XYZ 35.0295, 28.7605, 83.0620 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(144, 133, 236) }
```


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

```
.border{ border-color:rgb(144, 133, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 133, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 133, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 133, 236);  
box-shadow:4px 4px 4px 4px rgb(144, 133,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0295, 28.7605, 83.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 133, 236) }
```

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

```
.background{ background-color: rgb(144,  
133, 236) }
```

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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