

Converting Colors

XYZ(29.4282, 20.9845, 82.2432)

Have a look what the booklet for
XYZ(29.4282, 20.9845, 82.2432)
contains.

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Color

**XYZ(29.3909, 20.8847,
82.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	8169ED
RGB	129, 105, 237
RGB Percent	51%, 41%, 93%
CMY	0.4941, 0.5882, 0.0706
CMYK	0.46, 0.56, 0.00, 0.07
HSL	251°, 79%, 67%
HSV	251°, 56%, 93%
XYZ	29.3909, 20.8847, 82.6028
YIQ	127.2240, -28.0680, 46.1400

Conversions

Conversions Part 2

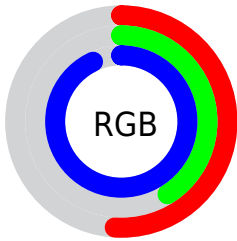
Format	Color
R _{YB}	129, 105, 237
Decimal	8481261
CIE _{Lab}	52.82, 41.46, -63.75
CIE _{LCh}	53, 76.044, 303.040
Y _{xy}	20.8847, 0.2212, 0.1572
Android (android.graphics.Color)	4286671341 (0xFF8169ED)
YUV	127.2240, 54.1196, 1.5576
Hunter-Lab	45.6998, 34.8241, -75.1774

Details

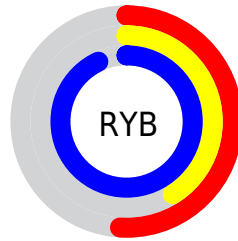
The XYZ color **29.3909, 20.8847, 82.6028** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **60.2739, 75.7343, 24.8064**, and the grayscale version is **20.0773, 21.1229, 23.0028**.

A 20% lighter version of the original color is **50.8460, 42.0253, 100.0396**, and **12.1556, 7.4868, 43.9844** is the 20% darker color. If you saturate the color by 10%, you get **24.6336, 15.3345, 81.7827**, and if you desaturate by 10%, it is **35.3815, 28.0692, 83.6743**.

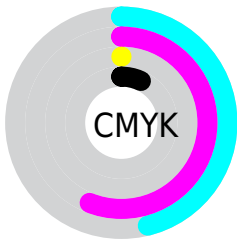
Distribution



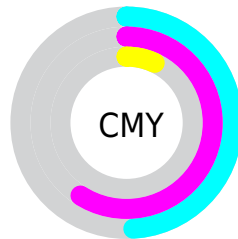
- Red (51%)
- Green (41%)
- Blue (93%)



- Red (51%)
- Yellow (41%)
- Blue (93%)



- Cyan (46%)
- Magenta (56%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (59%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3909, 20.8847, 82.6028 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 29.3909, 20.8847, 82.6028 by changing the saturation by 10% instead.

■ 29.3909, 20.8847,
82.6028

■ 29.3909, 20.8847,
82.6028

291.0159,
256.6651, 523.5981

■ 19.5225, 13.0397,
61.3238

■ 58.0908, 44.8956,
138.8633

■ 12.1547, 7.4559,
44.0543

■ 77.6531, 61.8303,
174.6818

■ 6.9220, 3.7488,
30.3757

■ 101.1773, 82.5637,
216.1840

■ 3.4593, 1.5341,
19.8695

■ 129.0289,
107.4802, 263.7884

■ 1.4010, 0.3125,
12.1171

161.5732,
136.9642, 317.9134

■ 0.2570, 0.0000,
6.6999

199.1756,

■ 0.0000, 0.0000,

171.4001, 378.9777

3.1996

242.2014,
211.1723, 447.3997

■ 0.0000, 0.0000,
1.1974

■ 0.0000, 0.0000,
0.0000

■ 29.3909, 20.8847,
82.6028

■ 29.3909, 20.8847,
82.6028

■ 24.6336, 15.3345,
81.7827

■ 35.3815, 28.0692,
83.6743

■ 21.0175, 11.2854,
81.1917

■ 42.6824, 37.0028,
85.0138

■ 18.4417, 8.5862,
80.8065

■ 51.3679, 47.7919,
86.6385

■ 16.7846, 7.0513,
80.5976

■ 61.5055, 60.5341,
88.5637

■ 16.2865, 6.6302,
80.5425

■ 73.1583, 75.3199,
90.8035

■ 86.3858, 92.2342,
93.3711

■ 92.2861, 98.8945,
94.3457

Harmonies

Analogous

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



20.6710, 20.8847, 100.2954



29.3909, 20.8847, 82.6028



36.8023, 20.8847, 48.8766

Triad

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



29.3909, 20.8847, 82.6028



27.6064, 20.8847, 1.7928



8.1756, 20.8847, 25.1385

Complementary

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



29.3909, 20.8847, 82.6028



60.2739, 75.7343, 24.8064

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.



9.1159, 20.8847, 8.1204



29.3909, 20.8847, 82.6028



19.0515, 20.8847, 1.0614

Square

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



29.3909, 20.8847, 82.6028



35.5938, 20.8847, 6.2619



12.6362, 20.8847, 2.2538



9.6064, 20.8847, 55.8757

Rectangle

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



29.3909, 20.8847, 82.6028



39.1859, 20.8847, 28.4592



12.6362, 20.8847, 2.2538



8.2261, 20.8847, 17.8432

Sweetspot

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



29.3919, 20.8854, 82.6033



70.8801, 69.2750, 104.2434



45.4126, 57.7190, 88.8686



14.6347, 14.1515, 22.2101



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.



29.3919, 20.8854, 82.6033



28.3310, 17.2436, 96.4429



42.3304, 27.5554, 83.2088



14.4867, 14.6806, 18.9924



8.9704, 3.6603, 43.9767



0.7772, 0.3250, 3.4566

Inverse Universe

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



51.9868, 32.9120, 66.5614



57.8672, 33.0021, 73.7924



45.2288, 67.9783, 24.1023



15.5905, 15.2640, 18.3946



24.4231, 11.9719, 29.0931



1.9484, 0.9523, 2.4455

Previews

White Background



This preview shows how the XYZ color 29.3909, 20.8847, 82.6028 looks on a white background.

Color Contrast Check

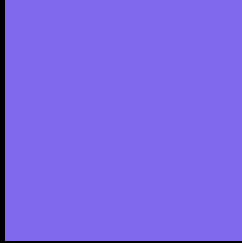
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3909, 20.8847, 82.6028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

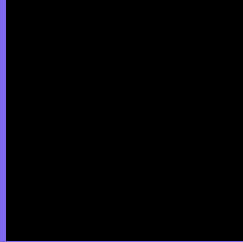
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3909, 20.8847, 82.6028

Background



This preview shows how black text looks on a background with the XYZ color 29.3909, 20.8847, 82.6028.



This preview shows how white text looks on a background with the XYZ color 29.3909, 20.8847,

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

29.3909, 20.8847, 82.6028

Protanopia

25.3941, 21.1560, 97.3528

Deuteranopia

21.4466, 20.9293, 74.8609



Tritanopia

18.3839, 20.7719, 28.2397

Trichromacy



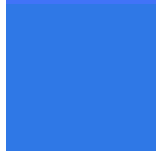
Original Color

29.3909, 20.8847, 82.6028



Protanomaly

25.2540, 20.1626, 91.3677



Deuteranomaly

22.1717, 19.7505, 77.5066



Tritanomaly

21.3559, 20.2541, 43.8581

Monochromacy



Original Color

29.3909, 20.8847, 82.6028



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

22.4740, 20.5729, 39.3457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3909, 20.8847, 82.6028 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(129, 105, 237)` looks like.

```
.text, #text, p{  
    color:rgb(129, 105, 237)  
}
```

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(129, 105, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 105, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.3909, 20.8847, 82.6028 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(129, 105, 237) }
```


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

```
.border{ border-color:rgb(129, 105, 237) }
```

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

Here you see how a box with a 4 pixel rgb(129, 105, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 105, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 105, 237);  
box-shadow:4px 4px 4px 4px rgb(129, 105,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3909, 20.8847, 82.6028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 105, 237) }
```

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

```
.background{ background-color: rgb(129,  
105, 237) }
```

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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