

Converting Colors

XYZ(27.3804, 13.5015, 61.4840)

Have a look what the booklet for
XYZ(27.3804, 13.5015, 61.4840)
contains.

XYZ(27.3085, 13.4759, 61.4834)	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(27.3085, 13.4759,
61.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	A41FD1
RGB	164, 31, 209
RGB Percent	64%, 12%, 82%
CMY	0.3569, 0.8784, 0.1804
CMYK	0.22, 0.85, 0.00, 0.18
HSL	285°, 74%, 47%
HSV	285°, 85%, 82%
XYZ	27.3085, 13.4759, 61.4834
YIQ	91.0590, 22.1300, 83.5540

Conversions

Conversions Part 2

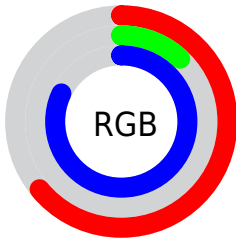
Format	Color
RYB	164, 31, 209
Decimal	10756049
CIELab	43.47, 73.59, -62.77
CIElCh	43, 96.723, 319.535
Yxy	13.4759, 0.2670, 0.1318
Android (android.graphics.Color)	4288946129 (0xFFA41FD1)
YUV	91.0590, 58.1449, 63.9693
Hunter-Lab	36.7095, 68.5458, -73.6059

Details

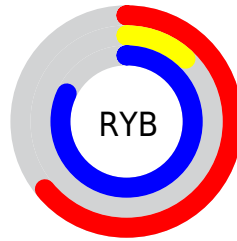
The XYZ color **27.3085, 13.4759, 61.4834** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **26.0285, 47.2366, 9.0423**, and the grayscale version is **9.8267, 10.3384, 11.2586**.

A 20% lighter version of the original color is **52.6643, 31.2737, 97.8685**, and **11.6936, 5.3641, 30.5560** is the 20% darker color. If you saturate the color by 10%, you get **25.8608, 12.1650, 61.3069**, and if you desaturate by 10%, it is **29.1560, 15.5175, 61.7803**.

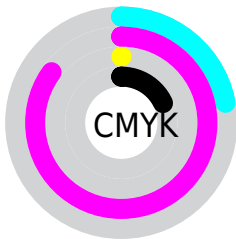
Distribution



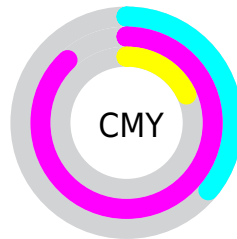
- Red (64%)
- Green (12%)
- Blue (82%)



- Red (64%)
- Yellow (12%)
- Blue (82%)



- Cyan (22%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)





- Cyan (36%)
- Magenta (88%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3085, 13.4759, 61.4834 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 27.3085, 13.4759, 61.4834 by changing the saturation by 10% instead.

 27.3085, 13.4759,
61.4834

 27.3085, 13.4759,
61.4834


281.2881,
213.9455, 447.9997


 17.9428, 7.7571,
44.1823


 54.7949, 32.1562,
108.5429

 11.0084, 3.9399,
30.4756


 73.6464, 45.8864,
139.1384


 6.1398, 1.6400,
19.9448


 96.3905, 63.0558,
175.0024

 2.9718, 0.3843,
12.1712

 123.3926, 84.0489,
216.5535

 1.1388, 0.0000,
6.7364

 155.0181,
109.2500, 264.2103

 0.0572, 0.0000,
3.2219

 191.6322,

 0.0000, 0.0000,

139.0436, 318.3912

1.2090

233.6005,
173.8139, 379.5148

■ 0.0000, 0.0000,
0.0000

■ 27.3085, 13.4759,
61.4834

■ 27.3085, 13.4759,
61.4834

■ 25.8608, 12.1650,
61.3069

■ 29.1560, 15.5175,
61.7803

■ 25.2510, 11.6879,
61.2470

■ 31.4611, 18.4070,
62.2166

■ 34.2733, 22.2419,
62.8086

■ 37.6349, 27.1060,
63.5703

■ 41.5834, 33.0736,
64.5140

■ 46.1530, 40.2122,
65.6510

■ 51.3749, 48.5836,
66.9917

■ 57.2782, 58.2454,
68.5455

■ 63.8904, 69.2515,
70.3214

Harmonies

Analogous

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



18.2940, 13.4759, 98.9031



27.3085, 13.4759, 61.4834



33.0102, 13.4759, 23.5807

Triad

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



27.3085, 13.4759, 61.4834



15.6264, 13.4759, 0.0000



3.4274, 13.4759, 33.3976

Complementary

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



27.3085, 13.4759, 61.4834



26.0285, 47.2366, 9.0423

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.



3.1869, 13.4759, 8.3495



27.3085, 13.4759, 61.4834



8.5463, 13.4759, 0.0000

Square

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



27.3085, 13.4759, 61.4834



24.7098, 13.4759, 0.0954



4.6414, 13.4759, 0.8515



5.5152, 13.4759, 74.3587

Rectangle

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



27.3085, 13.4759, 61.4834



33.0870, 13.4759, 8.8134



4.6414, 13.4759, 0.8515



3.1707, 13.4759, 22.6822

Sweetspot

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



27.3092, 13.4764, 61.4837



71.5235, 61.7049, 102.7483



14.8317, 10.4105, 61.5496



14.7557, 12.3379, 21.8537



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.



27.3092, 13.4764, 61.4837



39.4194, 18.2363, 96.0501



33.8031, 17.3429, 38.3522



12.0068, 11.8524, 14.8986



15.6638, 7.2553, 37.7673



0.9465, 0.4421, 2.1150

Inverse Universe

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



28.0892, 15.0573, 8.2635



42.1787, 21.6355, 6.8730



24.5530, 46.3674, 13.8787



11.9296, 11.8566, 12.9051



16.6402, 8.5289, 3.0113



0.9630, 0.4899, 0.3400

Previews

White Background



This preview shows how the XYZ color 27.3085, 13.4759, 61.4834 looks on a white background.

Color Contrast Check

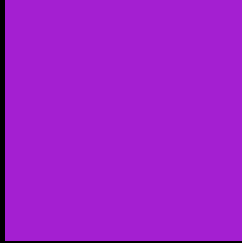
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.3085, 13.4759, 61.4834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

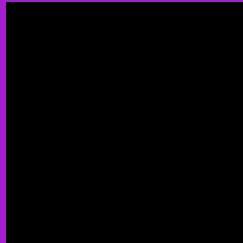
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3085, 13.4759, 61.4834

Background



This preview shows how black text looks on a background with the XYZ color 27.3085, 13.4759, 61.4834.



This preview shows how white text looks on a background with the XYZ color 27.3085, 13.4759,

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

27.3085, 13.4759, 61.4834

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

13.9110, 13.8109, 47.8315



Tritanopia

17.2129, 13.4728, 11.8185

Trichromacy



Original Color

27.3085, 13.4759, 61.4834



Protanomaly

16.0124, 10.6460, 62.1837



Deuteranomaly

14.3971, 10.4477, 52.2967



Tritanomaly

19.4003, 12.3022, 24.2737

Monochromacy



Original Color

27.3085, 13.4759, 61.4834



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

13.9024, 9.8290, 23.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3085, 13.4759, 61.4834 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(164, 31, 209)` looks like.

```
.text, #text, p{  
    color:rgb(164, 31, 209)  
}
```

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(164, 31, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 31, 209) }
```

Border

The CSS property to change the border of an element to XYZ 27.3085, 13.4759, 61.4834 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(164, 31, 209) }
```


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

```
.border{ border-color:rgb(164, 31, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 31, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 31, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 31, 209);  
box-shadow:4px 4px 4px 4px rgb(164, 31,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3085, 13.4759, 61.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 31, 209) }
```

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

```
.background{ background-color: rgb(164, 31,  
209) }
```

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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