

Converting Colors

XYZ(35.2059, 27.8150, 78.2017)

Have a look what the booklet for
XYZ(35.2059, 27.8150, 78.2017)
contains.

XYZ(35.1987, 27.7619, 78.3663)	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(35.1987, 27.7619,
78.3663)**

Conversions

Conversions Part 1

Format	Color
Hex	9A7FE6
RGB	154, 127, 230
RGB Percent	60%, 50%, 90%
CMY	0.3961, 0.5020, 0.0980
CMYK	0.33, 0.45, 0.00, 0.10
HSL	256°, 67%, 70%
HSV	256°, 45%, 90%
XYZ	35.1987, 27.7619, 78.3663
YIQ	146.8150, -16.9710, 37.7570

Conversions

Conversions Part 2

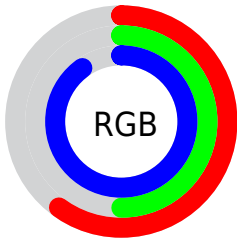
Format	Color
RYB	154, 127, 230
Decimal	10125286
CIELab	59.67, 32.88, -48.76
CIElCh	60, 58.814, 303.993
Yxy	27.7619, 0.2491, 0.1964
Android (android.graphics.Color)	4288315366 (0xFF9A7FE6)
YUV	146.8150, 41.0102, 6.3012
Hunter-Lab	52.6896, 27.0383, -51.3006

Details

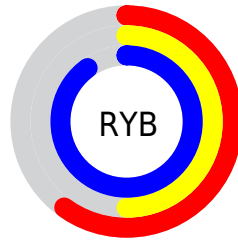
The XYZ color **35.1987, 27.7619, 78.3663** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.7565, 70.8228, 30.7583**, and the grayscale version is **27.4988, 28.9309, 31.5057**.

A 20% lighter version of the original color is **61.2352, 53.7114, 101.7476**, and **15.4394, 11.0164, 41.3570** is the 20% darker color. If you saturate the color by 10%, you get **29.5555, 20.9354, 77.3466**, and if you desaturate by 10%, it is **41.9787, 36.1817, 79.6347**.

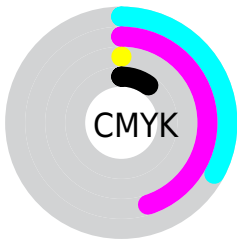
Distribution



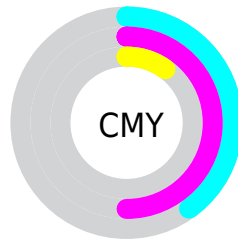
- Red (60%)
- Green (50%)
- Blue (90%)



- Red (60%)
- Yellow (50%)
- Blue (90%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1987, 27.7619, 78.3663 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 35.1987, 27.7619, 78.3663 by changing the saturation by 10% instead.

35.1987, 27.7619,
78.3663

35.1987, 27.7619,
78.3663

316.9372,
291.3274, 508.9708

23.9832, 18.1463,
57.8567

67.1255, 56.1041,
132.8569

15.4458, 11.0550,
41.2795

88.5675, 75.5994,
167.6750

9.2212, 6.1039,
28.2162

114.1490, 99.1567,
208.0997

4.9440, 2.9083,
18.2482

144.2354,
127.1605, 254.5495

2.2489, 1.0841,
10.9571

179.1921,
159.9950, 307.4430

0.7683, 0.0000,
5.9242

219.3844,

0.0000, 0.0000,

198.0448, 367.1987

2.7310

265.1776,
241.6941, 434.2351

■ 0.0000, 0.0000,
0.9590

■ 0.0000, 0.0000,
0.0000

■ 35.1987, 27.7619,
78.3663

■ 35.1987, 27.7619,
78.3663

■ 29.5555, 20.9354,
77.3466

■ 41.9787, 36.1817,
79.6347

■ 24.9800, 15.5959,
76.5571

■ 49.9525, 46.2857,
81.1647

■ 21.4002, 11.6285,
75.9800

■ 59.1770, 58.1613,
82.9707

■ 18.7330, 8.8996,
75.5939

■ 69.7045, 71.8892,
85.0656

■ 16.8794, 7.2469,
75.3726

■ 81.5841, 87.5449,
87.4613

■ 16.1643, 6.6831,
75.3014

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



27.3933, 27.7619, 92.0945



35.1987, 27.7619, 78.3663



41.4064, 27.7619, 51.9290

Triad

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



35.1987, 27.7619, 78.3663



33.1535, 27.7619, 6.3630



14.5555, 27.7619, 33.1649

Complementary

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



35.1987, 27.7619, 78.3663



56.7565, 70.8228, 30.7583

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.



15.5251, 27.7619, 15.6130



35.1987, 27.7619, 78.3663



25.4053, 27.7619, 5.0377

Square

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



35.1987, 27.7619, 78.3663



40.0786, 27.7619, 12.6492



19.1840, 27.7619, 7.4244



16.2335, 27.7619, 59.3270

Rectangle

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



35.1987, 27.7619, 78.3663



43.2799, 27.7619, 34.7109



19.1840, 27.7619, 7.4244



14.5849, 27.7619, 26.1487

Sweetspot

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



35.1998, 27.7629, 78.3670



76.9382, 76.2954, 105.2791



44.6884, 53.5306, 82.8405



15.8708, 15.5558, 22.4160



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.



35.1998, 27.7629, 78.3670



37.6584, 26.8237, 97.8004



46.8434, 33.7655, 78.9119



13.9354, 14.0689, 18.1254



9.2490, 3.8339, 42.6357



0.7690, 0.3274, 3.1546

Inverse Universe

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



51.0025, 36.3143, 60.8210



60.4096, 39.1619, 71.3253



45.2180, 64.8746, 30.2183



14.8253, 14.5473, 17.2805



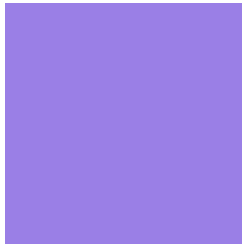
22.6198, 11.1821, 22.6907



1.7092, 0.8414, 1.8749

Previews

White Background



This preview shows how the XYZ color 35.1987, 27.7619, 78.3663 looks on a white background.

Color Contrast Check

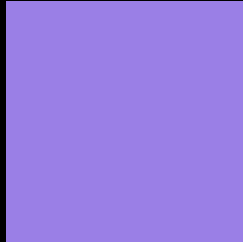
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1987, 27.7619, 78.3663 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 35.1987, 27.7619, 78.3663

Background



This preview shows how black text looks on a background with the XYZ color 35.1987, 27.7619, 78.3663.



This preview shows how white text looks on a background with the XYZ color 35.1987, 27.7619,

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

35.1987, 27.7619, 78.3663

Protanopia

30.7719, 27.9337, 87.7743

Deuteranopia

28.7377, 28.0342, 75.8480



Tritanopia

26.3709, 27.7163, 34.9702

Trichromacy



Original Color

35.1987, 27.7619, 78.3663

Protanomaly

31.8423, 27.4941, 84.5175

Deuteranomaly

30.4248, 27.5746, 76.3919

Tritanomaly

29.0336, 27.4836, 48.0306

Monochromacy



Original Color

35.1987, 27.7619, 78.3663

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.8916, 28.4145, 45.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1987, 27.7619, 78.3663 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(154, 127, 230)` looks like.

```
.text, #text, p{  
    color:rgb(154, 127, 230)  
}
```

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(154, 127, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 127, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.1987, 27.7619, 78.3663 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(154, 127, 230) }
```


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

```
.border{ border-color:rgb(154, 127, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 127, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 127, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 127, 230);  
box-shadow:4px 4px 4px 4px rgb(154, 127,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1987, 27.7619, 78.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 127, 230) }
```

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

```
.background{ background-color: rgb(154,  
127, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor