

Converting Colors

XYZ(27.5902, 13.4305, 55.1710)

Have a look what the booklet for
XYZ(27.5902, 13.4305, 55.1710)
contains.

XYZ(27.5902, 13.4305, 55.1710)	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(27.5902, 13.4305,
55.1710)**

Conversions

Conversions Part 1

Format	Color
Hex	AC15C7
RGB	172, 21, 199
RGB Percent	67%, 8%, 78%
CMY	0.3255, 0.9176, 0.2196
CMYK	0.14, 0.89, 0.00, 0.22
HSL	291°, 81%, 43%
HSV	291°, 89%, 78%
XYZ	27.5902, 13.4305, 55.1710
YIQ	86.4410, 32.8580, 87.3700

Conversions

Conversions Part 2

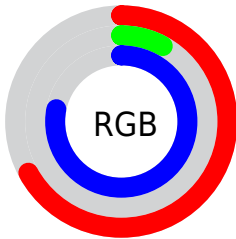
Format	Color
R_{YB}	172, 21, 199
Decimal	11277767
CIE Lab	43.40, 75.01, -57.02
CIE LCh	43, 94.221, 322.756
Yxy	13.4305, 0.2868, 0.1396
Android (android.graphics.Color)	4289467847 (0xFFAC15C7)
YUV	86.4410, 55.4916, 75.0352
Hunter-Lab	36.6476, 70.2504, -63.6045

Details

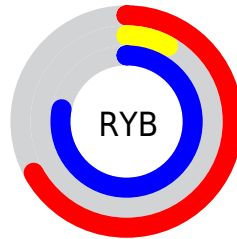
The XYZ color **27.5902, 13.4305, 55.1710** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **21.7782, 41.5298, 7.5781**, and the grayscale version is **8.8211, 9.2805, 10.1064**.

A 20% lighter version of the original color is **54.8321, 31.8632, 97.8680**, and **11.9735, 5.5910, 26.8337** is the 20% darker color. If you saturate the color by 10%, you get **26.6795, 12.5808, 55.0552**, and if you desaturate by 10%, it is **28.7824, 14.8195, 55.3765**.

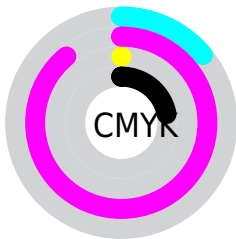
Distribution



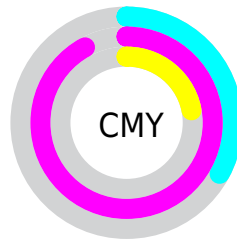
- Red (67%)
- Green (8%)
- Blue (78%)



- Red (67%)
- Yellow (8%)
- Blue (78%)



- Cyan (14%)
- Magenta (89%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (92%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5902, 13.4305, 55.1710 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 27.5902, 13.4305, 55.1710 by changing the saturation by 10% instead.


 27.5902, 13.4305,
55.1710


 27.5902, 13.4305,
55.1710


282.6192,
213.6586, 423.8600


 18.1558, 7.7257,
39.1391


 55.2427, 32.0751,
99.2651


 11.1623, 3.9199,
26.5593


 74.1916, 45.7836,
128.1644


 6.2442, 1.6289,
17.0130


 97.0428, 62.9287,
162.1900

 3.0362, 0.3769,
10.0817

 124.1615, 83.8950,
201.7603

 1.1729, 0.0000,
5.3469

 155.9131,
109.0667, 247.2939

 0.0848, 0.0000,
2.3899

 192.6631,

 0.0000, 0.0000,

138.8283, 299.2094

0.7809

234.7767,
173.5641, 357.9252

■ 0.0000, 0.0000,
0.0000

■ 27.5902, 13.4305,
55.1710

■ 27.5902, 13.4305,
55.1710

■ 26.6795, 12.5808,
55.0552

■ 28.7824, 14.8195,
55.3765

■ 26.6313, 12.5381,
55.0495

■ 30.3364, 16.9103,
55.6981

■ 32.2992, 19.7960,
56.1517

■ 34.7100, 23.5550,
56.7502

■ 37.6034, 28.2561,
57.5051

■ 41.0103, 33.9613,
58.4267

■ 44.9593, 40.7274,
59.5246

■ 49.4765, 48.6067,
60.8074

■ 54.5865, 57.6481,
62.2832

Harmonies

Analogous

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



19.0287, 13.4305, 92.3392



27.5902, 13.4305, 55.1710



32.4685, 13.4305, 20.3257

Triad

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



27.5902, 13.4305, 55.1710



14.6259, 13.4305, 0.0000



3.6812, 13.4305, 36.4479

Complementary

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



27.5902, 13.4305, 55.1710



21.7782, 41.5298, 7.5781

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.



3.2680, 13.4305, 10.1020



27.5902, 13.4305, 55.1710



8.0535, 13.4305, 0.0000

Square

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



27.5902, 13.4305, 55.1710



23.3341, 13.4305, 0.0000



4.5125, 13.4305, 1.2735



5.9951, 13.4305, 76.0219

Rectangle

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



27.5902, 13.4305, 55.1710



32.0320, 13.4305, 7.4000



4.5125, 13.4305, 1.2735



3.3638, 13.4305, 25.4670

Sweetspot

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



27.5908, 13.4311, 55.1713



73.1421, 61.7338, 102.6686



11.7880, 6.6224, 54.6900



15.1762, 12.4008, 21.8437



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.



27.5908, 13.4311, 55.1713



46.4636, 21.8678, 96.3797



28.5309, 14.5626, 25.9907



10.9190, 10.7320, 13.4135



17.1838, 8.0928, 35.4007



0.8576, 0.4059, 1.6783

Inverse Universe

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



24.3553, 12.8923, 4.0020



41.6009, 21.4044, 3.8306



22.1935, 41.5908, 14.5135



10.6984, 10.6627, 11.3948



15.3181, 7.8768, 1.6189



0.7468, 0.3816, 0.1898

Previews

White Background



This preview shows how the XYZ color 27.5902, 13.4305, 55.1710 looks on a white background.

Color Contrast Check

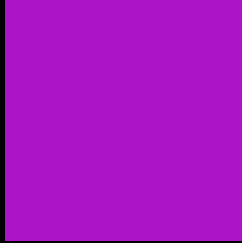
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5902, 13.4305, 55.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

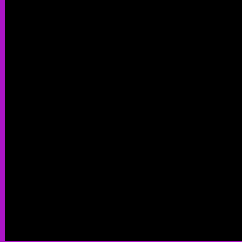
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5902, 13.4305, 55.1710

Background



This preview shows how black text looks on a background with the XYZ color 27.5902, 13.4305, 55.1710.



This preview shows how white text looks on a background with the XYZ color 27.5902, 13.4305,

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

27.5902, 13.4305, 55.1710

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

14.1237, 13.8959, 48.9515



Tritanopia

18.4130, 13.5613, 10.2415

Trichromacy



Original Color

27.5902, 13.4305, 55.1710



Protanomaly

15.5656, 10.0682, 60.1544



Deuteranomaly

13.9699, 9.8505, 50.4553



Tritanomaly

20.2302, 12.3157, 21.0496

Monochromacy



Original Color

27.5902, 13.4305, 55.1710



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

12.8895, 8.7595, 21.0901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5902, 13.4305, 55.1710 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(172, 21, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 21, 199)  
}
```

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(172, 21, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 21, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.5902, 13.4305, 55.1710 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(172, 21, 199) }
```


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

```
.border{ border-color:rgb(172, 21, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 21, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 21, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 21, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 21,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5902, 13.4305, 55.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 21, 199) }
```

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

```
.background{ background-color: rgb(172, 21,  
199) }
```

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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