

Converting Colors

XYZ(27.2517, 13.0906, 44.5750)

Have a look what the booklet for
XYZ(27.2517, 13.0906, 44.5750)
contains.

XYZ(27.3965, 13.1600, 44.8122)	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(27.3965, 13.1600,
44.8122)**

Conversions

Conversions Part 1

Format	Color
Hex	B500B5
RGB	181, 0, 181
RGB Percent	71%, 0%, 71%
CMY	0.2902, 0.9999, 0.2902
CMYK	0.00, 1.00, 0.00, 0.29
HSL	300°, 100%, 35%
HSV	300°, 100%, 71%
XYZ	27.3965, 13.1600, 44.8122
YIQ	74.7530, 49.7750, 94.6630

Conversions

Conversions Part 2

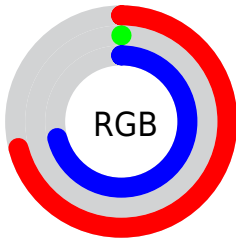
Format	Color
RYB	181, 0, 181
Decimal	11862197
CIELab	43.00, 75.96, -47.04
CIElCh	43, 89.345, 328.232
Yxy	13.1600, 0.3209, 0.1542
Android (android.graphics.Color)	4290052277 (0xFFB500B5)
YUV	74.7530, 52.3798, 93.1786
Hunter-Lab	36.2767, 71.3206, -47.8465

Details

The XYZ color **27.3965, 13.1600, 44.8122** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.5245, 33.0483, 5.5088**, and the grayscale version is **6.5489, 6.8899, 7.5031**.

A 20% lighter version of the original color is **55.1164, 31.6902, 84.1008**, and **11.9991, 5.7433, 20.5548** is the 20% darker color. If you saturate the color by 10%, you get **27.3968, 13.1601, 44.8124**, and if you desaturate by 10%, it is **27.6151, 13.5968, 44.8852**.

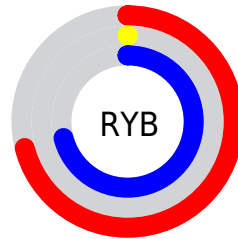
Distribution



Red (71%)

Green (0%)

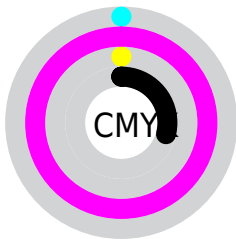
Blue (71%)



Red (71%)

Yellow (0%)

Blue (71%)

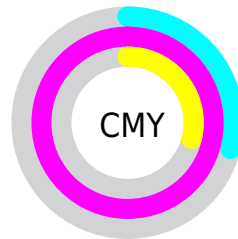


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (29%)



Cyan (29%)


Magenta (100%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3965, 13.1600, 44.8122 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 27.3965, 13.1600, 44.8122 by changing the saturation by 10% instead.

 27.3965, 13.1600,
44.8122


 27.3965, 13.1600,
44.8122


281.7045,
211.9406, 382.1504

 18.0094, 7.5388,
30.9677


 54.9349, 31.5909,
83.7540


 11.0564, 3.8013,
20.3160


 73.8168, 45.1695,
109.6883


 6.1724, 1.5630,
12.4386


 96.5944, 62.1692,
140.4896

 2.9918, 0.3325,
6.9170

 123.6330, 82.9747,
176.5765

 1.1494, 0.0000,
3.3326

 155.2980,
107.9701, 218.3675

 0.0659, 0.0000,
1.2668

 191.9546,

 0.0000, 0.0000,

137.5400, 266.2811

0.0344

233.9683,
172.0687, 320.7359

■ 0.0000, 0.0000,
0.0000

■ 27.3965, 13.1600,
44.8122

■ 27.3965, 13.1600,
44.8122

■ 27.3968, 13.1601,
44.8124

■ 27.6151, 13.5968,
44.8852

■ 28.0345, 14.4355,
45.0250

■ 28.7312, 15.8288,
45.2573

■ 29.7418, 17.8500,
45.5942

■ 31.0975, 20.5614,
46.0461

■ 32.8256, 24.0177,
46.6222

■ 34.9508, 28.2681,
47.3306

■ 37.4956, 33.3577,
48.1789

■ 40.4809, 39.3282,
49.1740

Harmonies

Analogous

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



19.8379, 13.1600, 79.9672



27.3965, 13.1600, 44.8122



30.8525, 13.1600, 15.5253

Triad

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



27.3965, 13.1600, 44.8122



12.9192, 13.1600, 0.0000



4.1178, 13.1600, 40.6357

Complementary

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



27.3965, 13.1600, 44.8122



16.5245, 33.0483, 5.5088

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.



3.4171, 13.1600, 13.1958



27.3965, 13.1600, 44.8122



7.2511, 13.1600, 0.0000

Square

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



27.3965, 13.1600, 44.8122



20.8112, 13.1600, 0.0000



4.3147, 13.1600, 2.2266



6.7724, 13.1600, 76.3590

Rectangle

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



27.3965, 13.1600, 44.8122



29.6712, 13.1600, 5.4654



4.3147, 13.1600, 2.2266



3.7006, 13.1600, 29.6841

Sweetspot

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



27.3970, 13.1606, 44.8125



62.3815, 50.1989, 84.6959



8.3412, 3.3369, 43.9210



13.1260, 10.1361, 18.1868



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3970, 13.1606, 44.8125



49.0666, 23.5692, 80.2572



20.9239, 10.5714, 10.7254



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Inverse Universe

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



27.3970, 13.1606, 44.8125



49.0666, 23.5692, 80.2572



18.3917, 33.7952, 15.3415



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 27.3965, 13.1600, 44.8122 looks on a white background.

Color Contrast Check

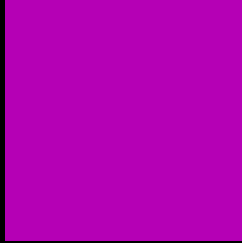
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3965, 13.1600, 44.8122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

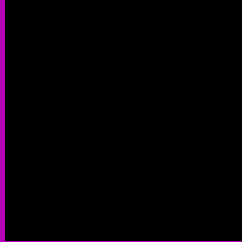
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.3965, 13.1600, 44.8122

Background



This preview shows how black text looks on a background with the XYZ color 27.3965, 13.1600, 44.8122.



This preview shows how white text looks on a background with the XYZ color 27.3965, 13.1600,

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

27.3965, 13.1600, 44.8122

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

14.1926, 13.8270, 39.9511



Tritanopia

20.1353, 13.5743, 8.3963

Trichromacy



Original Color

27.3965, 13.1600, 44.8122



Protanomaly

14.6228, 9.0421, 56.2329



Deuteranomaly

15.4139, 9.9557, 41.1536



Tritanomaly

21.4312, 12.0903, 17.1237

Monochromacy



Original Color

27.3965, 13.1600, 44.8122



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.0336, 6.9062, 16.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3965, 13.1600, 44.8122 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(181, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 181)  
}
```

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(181, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.3965, 13.1600, 44.8122 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(181, 0, 181) }
```


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

```
.border{ border-color:rgb(181, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3965, 13.1600, 44.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 181) }
```

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

```
.background{ background-color: rgb(181, 0,  
181) }
```

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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