

Converting Colors

XYZ(27.5151, 13.0950, 50.5120)

Have a look what the booklet for
XYZ(27.5151, 13.0950, 50.5120)
contains.

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Color

**XYZ(27.5354, 13.1087,
50.3692)**

Conversions

Conversions Part 1

Format	Color
Hex	B100BF
RGB	177, 0, 191
RGB Percent	69%, 0%, 75%
CMY	0.3059, 0.9999, 0.2510
CMYK	0.07, 1.00, 0.00, 0.25
HSL	296°, 100%, 37%
HSV	296°, 100%, 75%
XYZ	27.5354, 13.1087, 50.3692
YIQ	74.6970, 44.1810, 96.9250

Conversions

Conversions Part 2

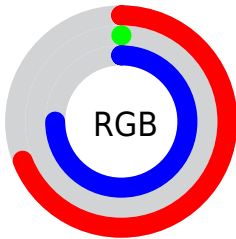
Format	Color
R_{YB}	177, 0, 191
Decimal	11600063
CIE _{Lab}	42.93, 76.85, -53.08
CIE _{LCh}	43, 93.399, 325.366
Yxy	13.1087, 0.3025, 0.1440
Android (android.graphics.Color)	4289790143 (0xFFB100BF)
YUV	74.6970, 57.3374, 89.7197
Hunter-Lab	36.2059, 72.3927, -57.1393

Details

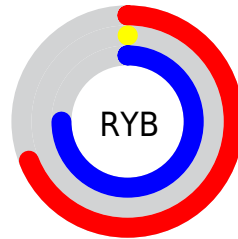
The XYZ color **27.5354, 13.1087, 50.3692** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.8124, 37.3553, 6.2193**, and the grayscale version is **6.5304, 6.8705, 7.4820**.

A 20% lighter version of the original color is **55.2765, 31.5982, 91.9926**, and **12.1231, 5.7281, 24.1336** is the 20% darker color. If you saturate the color by 10%, you get **27.5355, 13.1087, 50.3694**, and if you desaturate by 10%, it is **28.0912, 13.7439, 50.4627**.

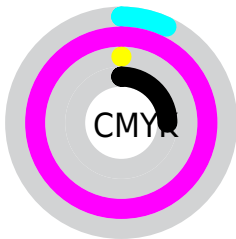
Distribution



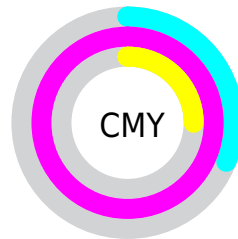
- Red (69%)
- Green (0%)
- Blue (75%)



- Red (69%)
- Yellow (0%)
- Blue (75%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (31%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5354, 13.1087, 50.3692 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 27.5354, 13.1087, 50.3692 by changing the saturation by 10% instead.

 27.5354, 13.1087,
50.3692


 27.5354, 13.1087,
50.3692


282.3607,
211.6131, 404.8843


 18.1144, 7.5034,
35.3336


 55.1557, 31.4989,
92.1236


 11.1323, 3.7789,
23.6344


 74.0856, 45.0527,
119.6795


 6.2239, 1.5507,
14.8529


 96.9160, 62.0247,
152.2459

 3.0236, 0.3240,
8.5708

 124.0121, 82.7995,
190.2413

 1.1663, 0.0000,
4.3693

 155.7392,
107.7613, 234.0843

 0.0795, 0.0000,
1.8301

 192.4628,

 0.0000, 0.0000,

137.2946, 284.1935

0.4477

234.5482,
171.7837, 340.9873

■ 0.0000, 0.0000,
0.0000

■ 27.5354, 13.1087,
50.3692

■ 27.5354, 13.1087,
50.3692

■ 27.5355, 13.1087,
50.3694

■ 28.0912, 13.7439,
50.4627

■ 28.8803, 14.8414,
50.6329

■ 29.9863, 16.5676,
50.9079

■ 31.4512, 19.0069,
51.3015

■ 33.3107, 22.2304,
51.8257

■ 35.5960, 26.3007,
52.4909

■ 38.3354, 31.2740,
53.3064

■ 41.5544, 37.2019,
54.2810

■ 45.2770, 44.1318,
55.4224

Harmonies

Analogous

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



19.3239, 13.1087, 87.5691



27.5354, 13.1087, 50.3692



31.7940, 13.1087, 17.6954

Triad

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



27.5354, 13.1087, 50.3692



13.6032, 13.1087, 0.0000



3.7094, 13.1087, 38.6498

Complementary

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



27.5354, 13.1087, 50.3692



18.8124, 37.3553, 6.2193

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.



3.1674, 13.1087, 11.3232



27.5354, 13.1087, 50.3692



7.4501, 13.1087, 0.0000

Square

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



27.5354, 13.1087, 50.3692



22.0173, 13.1087, 0.0000



4.2269, 13.1087, 1.5543



6.1666, 13.1087, 77.3375

Rectangle

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



27.5354, 13.1087, 50.3692



30.9676, 13.1087, 6.1770



4.2269, 13.1087, 1.5543



3.3499, 13.1087, 27.4512

Sweetspot

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



27.5360, 13.1093, 50.3695



68.4013, 55.5413, 95.3945



9.5886, 4.1304, 49.5823



14.5418, 11.3243, 20.8047



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.5360, 13.1093, 50.3695



49.2256, 23.4311, 90.2073



24.3789, 12.2339, 16.2383



9.8591, 9.6597, 12.0171



18.1253, 8.6300, 33.1033



0.7308, 0.3488, 1.2977

Inverse Universe

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



21.5655, 11.1086, 1.4236



38.5916, 19.8820, 2.3815



20.0641, 37.8351, 13.7565



9.5578, 9.5474, 10.0603



14.1841, 7.3048, 0.9972



0.5654, 0.2900, 0.0906

Previews

White Background



This preview shows how the XYZ color 27.5354, 13.1087, 50.3692 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 27.5354, 13.1087, 50.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

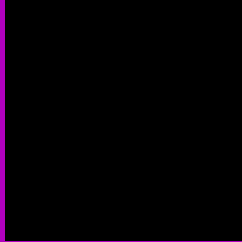
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5354, 13.1087, 50.3692

Background



This preview shows how black text looks on a background with the XYZ color 27.5354, 13.1087, 50.3692.



This preview shows how white text looks on a background with the XYZ color 27.5354, 13.1087,

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

27.5354, 13.1087, 50.3692

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

14.2861, 13.9120, 45.1124



Tritanopia

19.2739, 13.5039, 9.1801

Trichromacy



Original Color

27.5354, 13.1087, 50.3692



Protanomaly

14.8468, 9.1164, 58.1039



Deuteranomaly

15.0725, 9.7503, 46.4350



Tritanomaly

20.8093, 11.9050, 18.9704

Monochromacy



Original Color

27.5354, 13.1087, 50.3692



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9499, 6.8430, 17.5733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5354, 13.1087, 50.3692 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(177, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 191)  
}
```

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(177, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 27.5354, 13.1087, 50.3692 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(177, 0, 191) }
```


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

```
.border{ border-color:rgb(177, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(177, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5354, 13.1087, 50.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 191) }
```

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

```
.background{ background-color: rgb(177, 0,  
191) }
```

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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