

Converting Colors

XYZ(37.3862, 18.7057, 27.3931)

Have a look what the booklet for
XYZ(37.3862, 18.7057, 27.3931)
contains.

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Color

**XYZ(37.1956, 18.6110,
27.2230)**

Conversions

Conversions Part 1

Format	Color
Hex	E5008E
RGB	229, 0, 142
RGB Percent	90%, 0%, 56%
CMY	0.1020, 0.9998, 0.4431
CMYK	0.00, 1.00, 0.38, 0.10
HSL	323°, 100%, 45%
HSV	323°, 100%, 90%
XYZ	37.1956, 18.6110, 27.2230
YIQ	84.6590, 90.9020, 92.7100

Conversions

Conversions Part 2

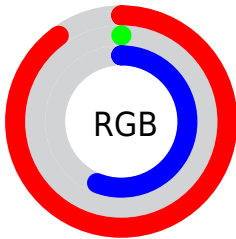
Format	Color
R _Y B	229, 0, 142
Decimal	15007886
CIE _{Lab}	50.23, 80.26, -11.81
CIE _{LCh}	50, 81.119, 351.630
Y _{xy}	18.6110, 0.4480, 0.2241
Android (android.graphics.Color)	4293197966 (0xFFE5008E)
Y _{UV}	84.6590, 28.2691, 126.5871
Hunter-Lab	43.1405, 78.4064, -7.2155

Details

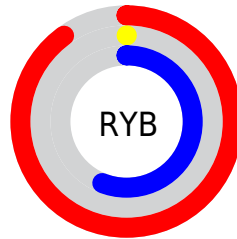
The XYZ color **37.1956, 18.6110, 27.2230** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **29.7422, 56.7279, 18.4091**, and the grayscale version is **8.4987, 8.9413, 9.7371**.

A 20% lighter version of the original color is **55.2960, 33.4299, 55.7628**, and **17.8681, 8.9882, 10.9184** is the 20% darker color. If you saturate the color by 10%, you get **37.1943, 18.6105, 27.2159**, and if you desaturate by 10%, it is **38.1802, 19.4934, 30.9017**.

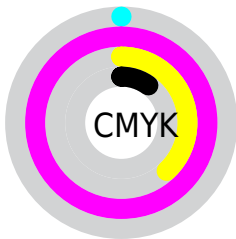
Distribution



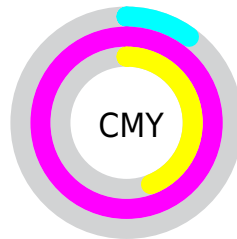
- Red (90%)
- Green (0%)
- Blue (56%)



- Red (90%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1956, 18.6110, 27.2230 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 37.1956, 18.6110, 27.2230 by changing the saturation by 10% instead.

 37.1956, 18.6110,
27.2230


 37.1956, 18.6110,
27.2230

325.4974,
244.2928, 302.5295

 25.5333, 11.3895,
17.5069


 70.1854, 41.0757,
56.2496


 16.6057, 6.3295,
10.4308


 92.2436, 57.0878,
76.3971


 10.0473, 3.0464,
5.5762


 118.4979, 76.7989,
100.8588

 5.4929, 1.1560,
2.5245

 149.3136,
100.5933, 130.0533

 2.5769, 0.0253,
0.8531

 185.0561,
128.8555, 164.3991

 0.9342, 0.0000,
0.0000

 226.0906,

 0.0000, 0.0000,

161.9699, 204.3147

0.0000

272.7826,
200.3208, 250.2186

■ 37.1956, 18.6110,
27.2230

■ 37.1956, 18.6110,
27.2230

■ 37.1943, 18.6105,
27.2159

■ 38.1802, 19.4934,
30.9017

■ 39.5773, 21.1174,
34.9750

■ 41.5035, 23.7144,
39.4873

■ 44.0265, 27.4181,
44.4662

■ 47.2033, 32.3410,
49.9358

■ 51.0839, 38.5815,
55.9178

■ 55.7134, 46.2281,
62.4320

■ 61.1329, 55.3614,
69.4966

■ 67.3803, 66.0560,
77.1288

Harmonies

Analogous

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



32.3416, 18.6110, 60.6309



37.1956, 18.6110, 27.2230



35.7359, 18.6110, 8.1496

Triad

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



37.1956, 18.6110, 27.2230



12.6925, 18.6110, 0.7827



9.8827, 18.6110, 76.4839

Complementary

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



37.1956, 18.6110, 27.2230



29.7422, 56.7279, 18.4091

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.



7.0482, 18.6110, 40.7163



37.1956, 18.6110, 27.2230



8.3048, 18.6110, 3.5403

Square

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



37.1956, 18.6110, 27.2230



19.9762, 18.6110, 0.4437



6.5713, 18.6110, 14.6055



15.5837, 18.6110, 100.0569

Rectangle

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



37.1956, 18.6110, 27.2230



31.5239, 18.6110, 2.9840



6.5713, 18.6110, 14.6055



8.6424, 18.6110, 64.6242

Sweetspot

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



37.1961, 18.6121, 27.2233



70.9780, 58.7873, 79.5078



17.7993, 7.5429, 74.6466



14.6319, 11.6520, 16.2464



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.



37.1961, 18.6121, 27.2233



47.4204, 23.7321, 34.4753



32.5554, 16.7558, 2.7855



14.7508, 14.5175, 16.8880



21.3262, 10.6647, 15.8788



1.6208, 0.8060, 1.4098

Inverse Universe

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



37.1961, 18.6121, 27.2233



47.4204, 23.7321, 34.4753



38.2676, 60.1381, 63.3035



14.7508, 14.5175, 16.8880



21.3262, 10.6647, 15.8788



1.6208, 0.8060, 1.4098

Previews

White Background



This preview shows how the XYZ color 37.1956, 18.6110, 27.2230 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 37.1956, 18.6110, 27.2230 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 37.1956, 18.6110, 27.2230

Background



This preview shows how black text looks on a background with the XYZ color 37.1956, 18.6110, 27.2230.



This preview shows how white text looks on a background with the XYZ color 37.1956, 18.6110,

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

37.1956, 18.6110, 27.2230

Protanopia

21.2141, 19.4839, 59.1426

Deuteranopia

19.5454, 19.2120, 24.5079



Tritanopia

32.9184, 18.9811, 5.9317

Trichromacy



Original Color

37.1956, 18.6110, 27.2230



Protanomaly

21.4062, 13.9084, 45.2724



Deuteranomaly

22.4771, 14.8091, 24.9663



Tritanomaly

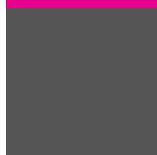
33.7981, 18.1518, 11.1735

Monochromacy



Original Color

37.1956, 18.6110, 27.2230



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2372, 8.9973, 14.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1956, 18.6110, 27.2230 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(229, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 142)  
}
```

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(229, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 142) }
```

Border

The CSS property to change the border of an element to XYZ 37.1956, 18.6110, 27.2230 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(229, 0, 142) }
```


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

```
.border{ border-color:rgb(229, 0, 142) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1956, 18.6110, 27.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 142) }
```

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

```
.background{ background-color: rgb(229, 0,  
142) }
```

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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