

Converting Colors

XYZ(41.7512, 27.2186, 46.1060)

Have a look what the booklet for
XYZ(41.7512, 27.2186, 46.1060)
contains.

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Color

**XYZ(41.6135, 27.1244,
46.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	DA63B4
RGB	218, 99, 180
RGB Percent	85%, 39%, 71%
CMY	0.1451, 0.6117, 0.2941
CMYK	0.00, 0.55, 0.17, 0.15
HSL	319°, 62%, 62%
HSV	319°, 55%, 85%
XYZ	41.6135, 27.1244, 46.2223
YIQ	143.8150, 44.9230, 50.4190

Conversions

Conversions Part 2

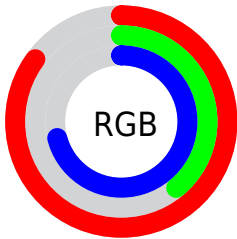
Format	Color
R _Y B	218, 99, 180
Decimal	14312372
CIE Lab	59.09, 56.01, -20.85
CIE LCh	59, 59.760, 339.582
Yxy	27.1244, 0.3620, 0.2359
Android (android.graphics.Color)	4292502452 (0xFFDA63B4)
YUV	143.8150, 17.8392, 65.0602
Hunter-Lab	52.0811, 51.4820, -16.1635

Details

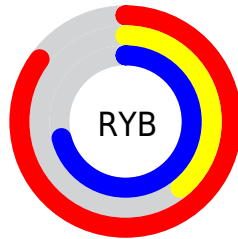
The XYZ color **41.6135, 27.1244, 46.2223** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.7337, 54.6025, 32.3780**, and the grayscale version is **26.3538, 27.7262, 30.1938**.

A 20% lighter version of the original color is **67.9359, 50.4273, 85.5097**, and **19.1559, 10.6618, 21.1270** is the 20% darker color. If you saturate the color by 10%, you get **39.1286, 23.2608, 41.9824**, and if you desaturate by 10%, it is **44.6931, 32.1195, 50.8367**.

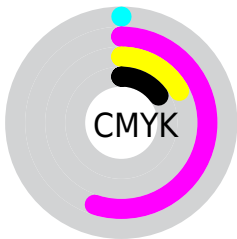
Distribution



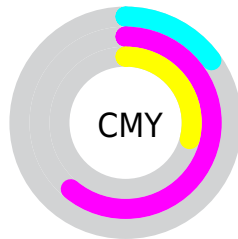
- Red (85%)
- Green (39%)
- Blue (71%)



- Red (85%)
- Yellow (39%)
- Blue (71%)



- Cyan (0%)
- Magenta (55%)
- Yellow (17%)
- Black (15%)





- Cyan (15%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6135, 27.1244, 46.2223 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 41.6135, 27.1244, 46.2223 by changing the saturation by 10% instead.


 41.6135, 27.1244,
46.2223


 41.6135, 27.1244,
46.2223


343.8972,
288.2589, 388.0052

 28.9886, 17.6667,
32.0713


 76.8832, 55.0834,
85.8894


 19.2164, 10.7109,
21.1507


 100.2586, 74.3535,
112.2426

 11.9317, 5.8728,
13.0419


 127.9483, 97.6632,
143.5003

 6.7690, 2.7679,
7.3263

 160.3175,
125.3968, 180.0810

 3.3631, 1.0118,
3.5855

197.7317,
157.9388, 222.4033

 1.3486, 0.0000,
1.4008

240.5561,

 0.2191, 0.0000,

195.6736, 270.8858

0.1424

289.1561,
238.9855, 325.9469

■ 0.0000, 0.0000,
0.0000

■ 41.6135, 27.1244,
46.2223

■ 41.6135, 27.1244,
46.2223

■ 39.1286, 23.2608,
41.9824

■ 44.6931, 32.1195,
50.8367

■ 37.1892, 20.4327,
38.0974

■ 48.4062, 38.3241,
55.8402

■ 35.7425, 18.5344,
34.5471

■ 52.7911, 45.8138,
61.2484

■ 34.7229, 17.4358,
31.3072

■ 57.8825, 54.6570,
67.0753

■ 34.2894, 17.0558,
29.6613

■ 63.7123, 64.9170,
73.3337

■ 70.3108, 76.6533,
80.0361

■ 77.7062, 89.9218,
87.1942

■ 79.7695, 92.4639,
92.7671

■ 80.7994, 92.8758,
98.1901

Harmonies

Analogous

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



35.9927, 27.1244, 73.5974



41.6135, 27.1244, 46.2223



42.5812, 27.1244, 23.2355

Triad

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



41.6135, 27.1244, 46.2223



23.4760, 27.1244, 4.7769



16.2668, 27.1244, 64.0097

Complementary

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



41.6135, 27.1244, 46.2223



34.7337, 54.6025, 32.3780

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.



14.1079, 27.1244, 36.8785



41.6135, 27.1244, 46.2223



17.7102, 27.1244, 7.8973

Square

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



41.6135, 27.1244, 46.2223



31.0905, 27.1244, 5.3951



14.5799, 27.1244, 17.4405



21.1131, 27.1244, 86.8339

Rectangle

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



41.6135, 27.1244, 46.2223



40.3006, 27.1244, 13.5950



14.5799, 27.1244, 17.4405



15.2494, 27.1244, 54.6745

Sweetspot

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



41.6144, 27.1257, 46.2228



81.3598, 75.8635, 94.3364



27.3828, 19.2789, 68.6081



17.0806, 15.6561, 19.8160



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.



41.6144, 27.1257, 46.2228



55.1966, 32.2570, 58.7325



36.8163, 25.2065, 20.9569



13.4282, 13.2004, 15.5164



20.5937, 10.2385, 18.0385



1.3727, 0.6787, 1.3718

Inverse Universe

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



41.6144, 27.1257, 46.2228



55.1966, 32.2570, 58.7325



40.2027, 56.7901, 61.1777



13.4282, 13.2004, 15.5164



20.5937, 10.2385, 18.0385



1.3727, 0.6787, 1.3718

Previews

White Background



This preview shows how the XYZ color 41.6135, 27.1244, 46.2223 looks on a white background.

Color Contrast Check

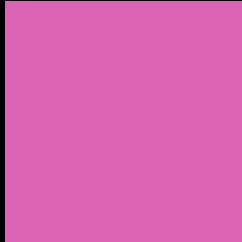
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6135, 27.1244, 46.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

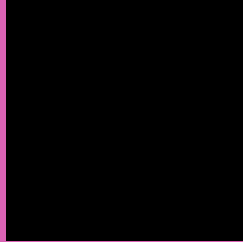
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.6135, 27.1244, 46.2223

Background



This preview shows how black text looks on a background with the XYZ color 41.6135, 27.1244, 46.2223.



This preview shows how white text looks on a background with the XYZ color 41.6135, 27.1244,

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

41.6135, 27.1244, 46.2223

Protanopia

28.7437, 27.3813, 65.3982

Deuteranopia

27.9054, 27.4360, 43.3601



Tritanopia

36.5077, 27.1878, 21.4128

Trichromacy



Original Color

41.6135, 27.1244, 46.2223

Protanomaly

31.2765, 25.8059, 57.9762

Deuteranomaly

31.5323, 26.2368, 44.4766

Tritanomaly

37.9766, 26.9743, 28.7962

Monochromacy



Original Color

41.6135, 27.1244, 46.2223

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.5996, 26.5306, 35.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6135, 27.1244, 46.2223 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(218, 99, 180)` looks like.

```
.text, #text, p{  
    color:rgb(218, 99, 180)  
}
```

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(218, 99, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 99, 180) }
```

Border

The CSS property to change the border of an element to XYZ 41.6135, 27.1244, 46.2223 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(218, 99, 180) }
```


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

```
.border{ border-color:rgb(218, 99, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 99, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 99, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 99, 180); box-shadow:4px 4px 4px 4px rgb(218, 99, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6135, 27.1244, 46.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 99, 180) }
```

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

```
.background{ background-color: rgb(218, 99,  
180) }
```

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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