

Converting Colors

XYZ(46.1123, 33.8171, 63.8822)

Have a look what the booklet for
XYZ(46.1123, 33.8171, 63.8822)
contains.

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Color

**XYZ(46.2557, 33.9895,
63.7972)**

Conversions

Conversions Part 1

Format	Color
Hex	D480D0
RGB	212, 128, 208
RGB Percent	83%, 50%, 82%
CMY	0.1686, 0.4980, 0.1843
CMYK	0.00, 0.40, 0.02, 0.17
HSL	303°, 49%, 67%
HSV	303°, 40%, 83%
XYZ	46.2557, 33.9895, 63.7972
YIQ	162.2360, 24.3840, 42.6880

Conversions

Conversions Part 2

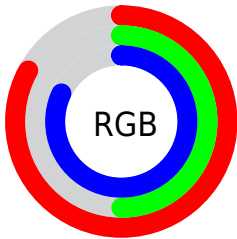
Format	Color
R _Y B	212, 128, 208
Decimal	13926608
CIE Lab	64.95, 44.35, -27.78
CIE LCh	65, 52.331, 327.936
Yxy	33.9895, 0.3211, 0.2360
Android (android.graphics.Color)	4292116688 (0xFFD480D0)
YUV	162.2360, 22.5617, 43.6430
Hunter-Lab	58.3005, 39.5962, -24.0696

Details

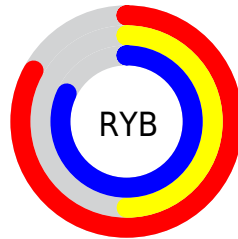
The XYZ color **46.2557, 33.9895, 63.7972** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.6119, 53.3432, 30.1984**, and the grayscale version is **34.3438, 36.1324, 39.3482**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **22.0445, 14.5367, 31.7810** is the 20% darker color. If you saturate the color by 10%, you get **43.6505, 28.9766, 62.3182**, and if you desaturate by 10%, it is **49.4416, 40.1611, 65.4744**.

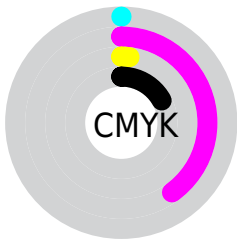
Distribution



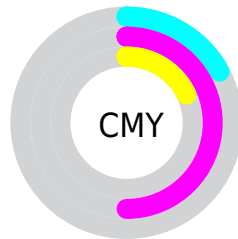
- Red (83%)
- Green (50%)
- Blue (82%)



- Red (83%)
- Yellow (50%)
- Blue (82%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (17%)



- Cyan (17%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2557, 33.9895, 63.7972 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 46.2557, 33.9895, 63.7972 by changing the saturation by 10% instead.


 46.2557, 33.9895,
63.7972

 46.2557, 33.9895,
63.7972

362.5344,
320.0852, 456.6443


 32.6531, 22.8855,
46.0413


 83.8271, 65.9173,
111.9155

 22.0188, 14.5090,
31.9295


 108.5266, 87.5100,
143.1149

 13.9874, 8.4755,
21.0433


 137.6558,
113.3677, 179.6327

 8.1935, 4.4007,
12.9641

171.5800,
143.8748, 221.8872

 4.2719, 1.9001,
7.2734

210.6646,
179.4157, 270.2971

 1.8571, 0.5485,
3.5526

255.2750,

 0.5517, 0.0000,

220.3748, 325.2809

1.3833

305.7765,
267.1365, 387.2571

■ 0.0000, 0.0000,
0.1286

■ 0.0000, 0.0000,
0.0000

■ 46.2557, 33.9895,
63.7972

■ 46.2557, 33.9895,
63.7972

■ 43.6505, 28.9766,
62.3182

■ 49.4416, 40.1611,
65.4744

■ 41.5864, 25.0452,
61.0230


■ 53.2379, 47.5531,
67.3586


■ 40.0240, 22.1162,
59.8991


■ 57.6764, 56.2281,
69.4608


■ 38.9176, 20.0977,
58.9309


■ 62.7857, 66.2435,
71.7906


 38.2125, 18.8807,
58.1005


 68.5926, 77.6527,
74.3567


 37.8143, 18.2762,
57.3762

 75.0568, 90.3753,
77.1460

 37.8011, 18.2570,
57.3494

 75.1863, 90.4270,
77.8276

 75.3165, 90.4791,
78.5134

 75.4475, 90.5315,
79.2034

Harmonies

Analogous

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



39.6052, 33.9895, 87.3119



46.2557, 33.9895, 63.7972



49.1174, 33.9895, 38.5281

Triad

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



46.2557, 33.9895, 63.7972



32.8322, 33.9895, 9.0489



21.0910, 33.9895, 60.1369

Complementary

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



46.2557, 33.9895, 63.7972



36.6119, 53.3432, 30.1984

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.



19.8487, 33.9895, 35.5300



46.2557, 33.9895, 63.7972



25.9637, 33.9895, 11.0692

Square

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



46.2557, 33.9895, 63.7972



40.6527, 33.9895, 11.7532



21.4874, 33.9895, 19.0171



25.1879, 33.9895, 84.6823

Rectangle

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



46.2557, 33.9895, 63.7972



48.2016, 33.9895, 25.6125



21.4874, 33.9895, 19.0171



20.3567, 33.9895, 51.3655

Sweetspot

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



46.2568, 33.9910, 63.7979



85.8195, 81.9131, 104.6700



28.9336, 25.0030, 65.5892



18.1733, 17.1502, 22.3117



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.



46.2568, 33.9910, 63.7979



66.6984, 44.7759, 94.8893



41.8654, 32.2345, 40.6732



12.9263, 12.6220, 15.5521



23.3471, 11.2752, 35.4615



1.4162, 0.6833, 2.1813

Inverse Universe

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



46.2568, 33.9910, 63.7979



66.6984, 44.7759, 94.8893



39.9704, 54.6866, 47.8842



12.9263, 12.6220, 15.5521



23.3471, 11.2752, 35.4615



1.4162, 0.6833, 2.1813

Previews

White Background



This preview shows how the XYZ color 46.2557, 33.9895, 63.7972 looks on a white background.

Color Contrast Check

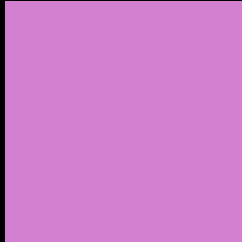
Large Text (above 18pt) WCAG AA × Fail

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 46.2557, 33.9895, 63.7972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

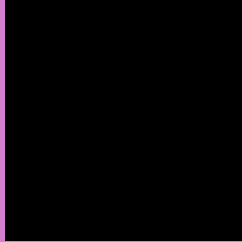
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2557, 33.9895, 63.7972

Background



This preview shows how black text looks on a background with the XYZ color 46.2557, 33.9895, 63.7972.



This preview shows how white text looks on a background with the XYZ color 46.2557, 33.9895,

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

46.2557, 33.9895, 63.7972

Protanopia

35.8628, 34.5024, 78.8982

Deuteranopia

34.8953, 34.1440, 61.2512



Tritanopia

40.1408, 33.9697, 33.7193

Trichromacy



Original Color

46.2557, 33.9895, 63.7972



Protanomaly

38.2303, 33.4596, 72.8500



Deuteranomaly

38.1581, 33.4292, 62.1989



Tritanomaly

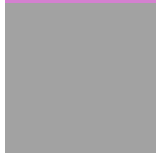
42.2630, 33.9968, 43.3643

Monochromacy



Original Color

46.2557, 33.9895, 63.7972



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.8654, 34.7707, 47.3635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2557, 33.9895, 63.7972 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(212, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(212, 128, 208)  
}
```

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(212, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 128, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.2557, 33.9895, 63.7972 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(212, 128, 208) }
```


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

```
.border{ border-color:rgb(212, 128, 208) }
```

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

Here you see how a box with a 4 pixel rgb(212, 128, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(212, 128,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2557, 33.9895, 63.7972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 128, 208) }
```

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

```
.background{ background-color: rgb(212,  
128, 208) }
```

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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