

Converting Colors

XYZ(40.0453, 22.0222, 63.1129)

Have a look what the booklet for
XYZ(40.0453, 22.0222, 63.1129)
contains.

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Color

**XYZ(40.0446, 22.0216,
63.1128)**

Conversions

Conversions Part 1

Format	Color
Hex	D240D2
RGB	210, 64, 210
RGB Percent	82%, 25%, 82%
CMY	0.1765, 0.7490, 0.1765
CMYK	0.00, 0.70, 0.00, 0.18
HSL	300°, 62%, 54%
HSV	300°, 70%, 82%
XYZ	40.0446, 22.0216, 63.1128
YIQ	124.2980, 40.1500, 76.3580

Conversions

Conversions Part 2

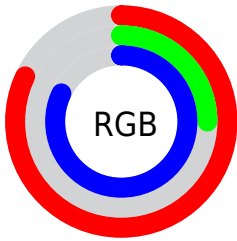
Format	Color
R _Y B	210, 64, 210
Decimal	13779154
CIE Lab	54.05, 72.89, -45.98
CIE LCh	54, 86.185, 327.757
Yxy	22.0216, 0.3199, 0.1759
Android (android.graphics.Color)	4291969234 (0xFFD240D2)
YUV	124.2980, 42.2511, 75.1607
Hunter-Lab	46.9272, 70.1977, -46.8907

Details

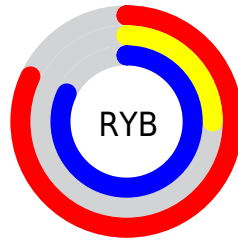
The XYZ color **40.0446, 22.0216, 63.1128** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **26.0874, 47.5543, 12.6556**, and the grayscale version is **19.1129, 20.1082, 21.8979**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **18.8653, 9.0420, 31.7613** is the 20% darker color. If you saturate the color by 10%, you get **39.0758, 20.0833, 62.7899**, and if you desaturate by 10%, it is **41.4607, 24.8532, 63.5851**.

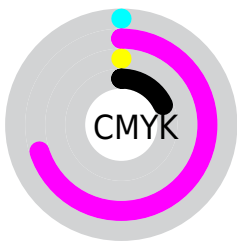
Distribution



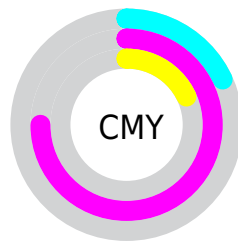
- Red (82%)
- Green (25%)
- Blue (82%)



- Red (82%)
- Yellow (25%)
- Blue (82%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (75%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0446, 22.0216, 63.1128 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 40.0446, 22.0216, 63.1128 by changing the saturation by 10% instead.


 40.0446, 22.0216,
63.1128


 40.0446, 22.0216,
63.1128


337.4427,
262.6591, 454.0980


 27.7577, 13.8728,
45.4909


 74.5153, 46.7817,
110.9194

 18.2826, 8.0322,
31.4985


 97.4299, 64.1618,
141.9411

 11.2540, 4.1156,
20.7171


 124.6176, 85.3877,
178.2666

 6.3065, 1.7384,
12.7281

 156.4440,
110.8439, 220.3142

 3.0747, 0.4484,
7.1131

 193.2744,
140.9147, 268.5026

 1.1934, 0.0000,
3.4534

235.4740,

 0.1012, 0.0000,

175.9846, 323.2504

1.3306

283.4084,
216.4379, 384.9760

■ 0.0000, 0.0000,
0.0866

■ 0.0000, 0.0000,
0.0000

■ 40.0446, 22.0216,
63.1128

■ 40.0446, 22.0216,
63.1128

■ 39.0758, 20.0833,
62.7899

■ 41.4607, 24.8532,
63.5851

■ 38.4987, 18.9291,
62.5975


■ 43.3665, 28.6646,
64.2204


■ 38.2225, 18.3768,
62.5054


■ 45.8020, 33.5357,
65.0323


■ 38.2116, 18.3550,
62.5017


■ 48.8028, 39.5373,
66.0327

 52.4011, 46.7339,
67.2322

 56.6269, 55.1854,
68.6409

 61.5080, 64.9476,
70.2680

 67.0707, 76.0729,
72.1223

 73.3397, 88.6109,
74.2120

Harmonies

Analogous

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



30.4369, 22.0216, 104.1250



40.0446, 22.0216, 63.1128



44.4343, 22.0216, 26.0435

Triad

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



40.0446, 22.0216, 63.1128



21.6403, 22.0216, 0.4943



8.7390, 22.0216, 56.7086

Complementary

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



40.0446, 22.0216, 63.1128



26.0874, 47.5543, 12.6556

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.



7.6438, 22.0216, 22.0243



40.0446, 22.0216, 63.1128



13.6441, 22.0216, 1.2000

Square

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



40.0446, 22.0216, 63.1128



32.0233, 22.0216, 1.4941



9.1367, 22.0216, 5.6949



12.7508, 22.0216, 98.8684

Rectangle

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



40.0446, 22.0216, 63.1128



43.0609, 22.0216, 11.4827



9.1367, 22.0216, 5.6949



8.0811, 22.0216, 43.2868

Sweetspot

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



40.0454, 22.0226, 63.1132



80.2817, 70.4634, 103.9770



15.5816, 9.4110, 61.9689



16.8392, 14.3934, 22.1406



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.



40.0454, 22.0226, 63.1132



60.1665, 30.2332, 97.2712



32.9282, 19.1757, 25.6343



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317

Inverse Universe

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



40.0454, 22.0226, 63.1132



60.1665, 30.2332, 97.2712



29.6774, 48.9903, 31.5604



12.3109, 12.0091, 14.9128



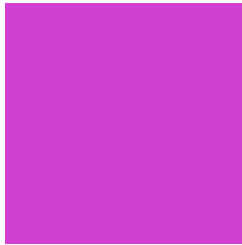
23.3082, 11.1961, 38.1246



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 40.0446, 22.0216, 63.1128 looks on a white background.

Color Contrast Check

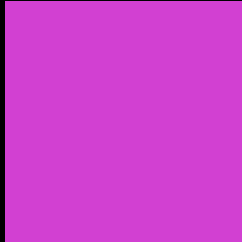
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0446, 22.0216, 63.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

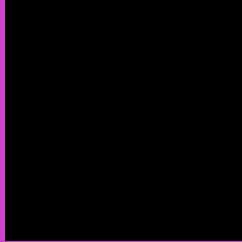
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0446, 22.0216, 63.1128

Background



This preview shows how black text looks on a background with the XYZ color 40.0446, 22.0216, 63.1128.

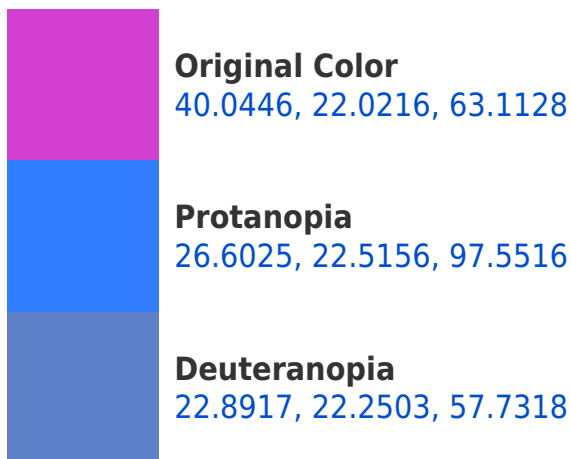


This preview shows how white text looks on a background with the XYZ color 40.0446, 22.0216,

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





Tritanopia

30.3521, 21.9701, 16.2766

Trichromacy



Original Color

40.0446, 22.0216, 63.1128



Protanomaly

26.4936, 19.0583, 83.9436



Deuteranomaly

26.1040, 19.6970, 59.5528



Tritanomaly

32.7190, 21.2258, 28.7581

Monochromacy



Original Color

40.0446, 22.0216, 63.1128



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.1853, 18.8379, 33.3717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0446, 22.0216, 63.1128 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(210, 64, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 64, 210)  
}
```

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(210, 64, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 64, 210) }
```

Border

The CSS property to change the border of an element to XYZ 40.0446, 22.0216, 63.1128 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(210, 64, 210) }
```


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

```
.border{ border-color:rgb(210, 64, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 64, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 64, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 64, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 64,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0446, 22.0216, 63.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 64, 210) }
```

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

```
.background{ background-color: rgb(210, 64,  
210) }
```

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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