

Converting Colors

XYZ(44.1498, 24.2473, 66.5887)

Have a look what the booklet for
XYZ(44.1498, 24.2473, 66.5887)
contains.

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Color

**XYZ(44.0327, 24.1749,
66.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	DD42D7
RGB	221, 66, 215
RGB Percent	87%, 26%, 84%
CMY	0.1333, 0.7411, 0.1569
CMYK	0.00, 0.70, 0.03, 0.13
HSL	302°, 70%, 56%
HSV	302°, 70%, 87%
XYZ	44.0327, 24.1749, 66.6354
YIQ	129.3310, 44.5510, 79.1990

Conversions

Conversions Part 2

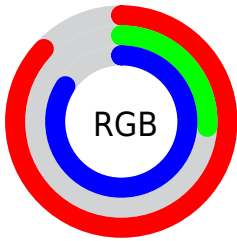
Format	Color
R _{YB}	221, 66, 215
Decimal	14500567
CIE Lab	56.26, 75.41, -45.21
CIE LCh	56, 87.924, 329.055
Yxy	24.1749, 0.3265, 0.1793
Android (android.graphics.Color)	4292690647 (0xFFDD42D7)
YUV	129.3310, 42.2348, 80.3937
Hunter-Lab	49.1680, 73.8129, -45.9358

Details

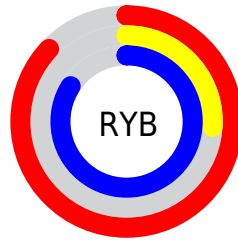
The XYZ color **44.0327, 24.1749, 66.6354** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.2740, 53.3400, 14.8851**, and the grayscale version is **20.8293, 21.9140, 23.8644**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **21.2455, 10.2194, 34.1105** is the 20% darker color. If you saturate the color by 10%, you get **42.8725, 22.0293, 65.7078**, and if you desaturate by 10%, it is **45.6938, 27.3200, 67.7332**.

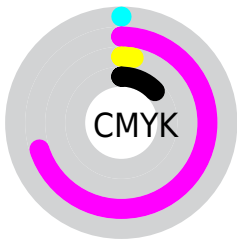
Distribution



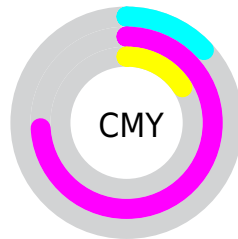
- Red (87%)
- Green (26%)
- Blue (84%)



- Red (87%)
- Yellow (26%)
- Blue (84%)



- Cyan (0%)
- Magenta (70%)
- Yellow (3%)
- Black (13%)





- Cyan (13%)
- Magenta (74%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0327, 24.1749, 66.6354 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 44.0327, 24.1749, 66.6354 by changing the saturation by 10% instead.

 44.0327, 24.1749,
66.6354

 44.0327, 24.1749,
66.6354


353.6917,
273.7035, 467.1120


 30.8942, 15.4634,
48.3287


 80.5130, 50.3155,
116.0335


 20.6698, 9.1453,
33.7254


 104.5855, 68.5133,
147.9619


 12.9939, 4.8361,
22.4071


 133.0335, 90.6421,
185.2680

 7.5013, 2.1514,
13.9551

 166.2222,
117.0862, 228.3703

 3.8266, 0.6933,
7.9511

 204.5170,
148.2300, 277.6873

 1.6045, 0.0000,
3.9763

248.2833,

 0.3954, 0.0000,

184.4579, 333.6375

1.6124

297.8864,
226.1543, 396.6396

■ 0.0000, 0.0000,
0.2996

■ 0.0000, 0.0000,
0.0000

■ 44.0327, 24.1749,
66.6354

■ 44.0327, 24.1749,
66.6354

■ 42.8725, 22.0293,
65.7078

■ 45.6938, 27.3200,
67.7332


■ 42.1494, 20.7576,
64.9285


■ 47.9045, 31.5640,
69.0168


■ 41.7590, 20.1483,
64.2701


■ 50.7106, 36.9980,
70.5018


■ 54.1526, 43.7028,
72.2015

 58.2673, 51.7520,
74.1284

 63.0887, 61.2138,
76.2936

 68.6486, 72.1516,
78.7079

 74.9767, 84.6249,
81.3812

 78.8581, 92.2039,
83.2417

Harmonies

Analogous

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



33.7821, 24.1749, 111.2686



44.0327, 24.1749, 66.6354



48.4413, 24.1749, 27.2524

Triad

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



44.0327, 24.1749, 66.6354



23.3000, 24.1749, 0.6356



9.8198, 24.1749, 63.7212

Complementary

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



44.0327, 24.1749, 66.6354



29.2740, 53.3400, 14.8851

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.



8.4964, 24.1749, 25.4137



44.0327, 24.1749, 66.6354



14.7639, 24.1749, 1.4800

Square

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



44.0327, 24.1749, 66.6354



34.5061, 24.1749, 1.6191



10.0031, 24.1749, 6.8073



14.3537, 24.1749, 108.8824

Rectangle

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



44.0327, 24.1749, 66.6354



46.7136, 24.1749, 11.9986



10.0031, 24.1749, 6.8073



9.0561, 24.1749, 49.0294

Sweetspot

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



44.0336, 24.1760, 66.6359



79.9497, 70.3306, 102.2287



17.6113, 10.4641, 69.4989



16.7589, 14.3612, 21.7175



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.



44.0336, 24.1760, 66.6359



58.7694, 29.5294, 90.3612



36.3798, 21.1145, 26.3314



13.5915, 13.2657, 16.3759



24.2683, 11.7084, 37.3884



1.5792, 0.7613, 2.4587

Inverse Universe

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



44.0336, 24.1760, 66.6359



58.7694, 29.5294, 90.3612



33.5026, 55.0314, 37.1526



13.5915, 13.2657, 16.3759



24.2683, 11.7084, 37.3884



1.5792, 0.7613, 2.4587

Previews

White Background



This preview shows how the XYZ color 44.0327, 24.1749, 66.6354 looks on a white background.

Color Contrast Check

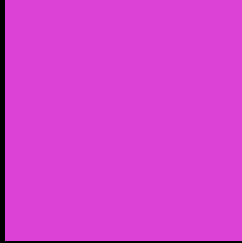
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.0327, 24.1749, 66.6354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

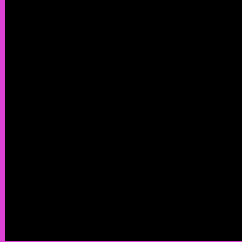
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.0327, 24.1749, 66.6354

Background



This preview shows how black text looks on a background with the XYZ color 44.0327, 24.1749, 66.6354.



This preview shows how white text looks on a background with the XYZ color 44.0327, 24.1749,

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

44.0327, 24.1749, 66.6354

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

25.1566, 24.5711, 60.5436



Tritanopia

33.6549, 23.9454, 17.0355

Trichromacy



Original Color

44.0327, 24.1749, 66.6354



Protanomaly

29.1543, 21.0176, 84.9583



Deuteranomaly

28.8152, 21.8169, 62.3669



Tritanomaly

36.1968, 23.2322, 30.1802

Monochromacy



Original Color

44.0327, 24.1749, 66.6354



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

26.3995, 20.5275, 35.8285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0327, 24.1749, 66.6354 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(221, 66, 215)` looks like.

```
.text, #text, p{  
    color:rgb(221, 66, 215)  
}
```

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(221, 66, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 66, 215) }
```

Border

The CSS property to change the border of an element to XYZ 44.0327, 24.1749, 66.6354 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(221, 66, 215) }
```


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

```
.border{ border-color:rgb(221, 66, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 66, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 66, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 66, 215);  
box-shadow:4px 4px 4px 4px rgb(221, 66,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0327, 24.1749, 66.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 66, 215) }
```

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

```
.background{ background-color: rgb(221, 66,  
215) }
```

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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