

Converting Colors

XYZ(42.6955, 23.7000, 66.7919)

Have a look what the booklet for
XYZ(42.6955, 23.7000, 66.7919)
contains.

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Color

**XYZ(42.6518, 23.6395,
66.6049)**

Conversions

Conversions Part 1

Format	Color
Hex	D844D7
RGB	216, 68, 215
RGB Percent	85%, 27%, 84%
CMY	0.1529, 0.7333, 0.1569
CMYK	0.00, 0.69, 0.00, 0.15
HSL	300°, 65%, 56%
HSV	300°, 69%, 85%
XYZ	42.6518, 23.6395, 66.6049
YIQ	129.0100, 41.0210, 77.0930

Conversions

Conversions Part 2

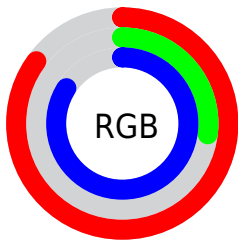
Format	Color
R _{YB}	216, 68, 215
Decimal	14173399
CIE _{Lab}	55.73, 73.64, -46.11
CIE _{LCh}	56, 86.885, 327.945
Y _{xy}	23.6395, 0.3209, 0.1779
Android (android.graphics.Color)	4292363479 (0xFFD844D7)
YUV	129.0100, 42.3931, 76.2902
Hunter-Lab	48.6205, 71.5014, -47.1867

Details

The XYZ color **42.6518, 23.6395, 66.6049** 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 **28.0151, 50.7715, 13.9549**, and the grayscale version is **20.7174, 21.7963, 23.7361**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **20.2498, 9.7062, 34.0639** is the 20% darker color. If you saturate the color by 10%, you get **41.5593, 21.4839, 66.1483**, and if you desaturate by 10%, it is **44.2271, 26.7592, 67.2228**.

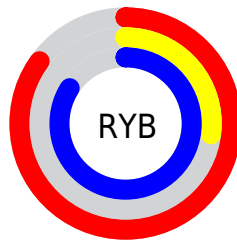
Distribution



Red (85%)

Green (27%)

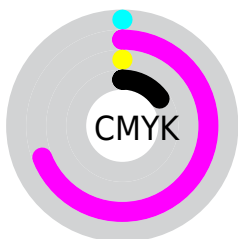
Blue (84%)



Red (85%)

Yellow (27%)

Blue (84%)

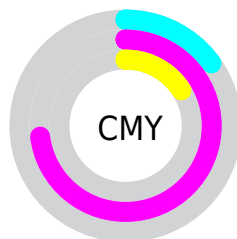


Cyan (0%)

Magenta (69%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (73%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6518, 23.6395, 66.6049 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 42.6518, 23.6395, 66.6049 by changing the saturation by 10% instead.

 42.6518, 23.6395,
66.6049


 42.6518, 23.6395,
66.6049


348.1237,
270.9928, 467.0003


 29.8053, 15.0664,
48.3040


 78.4441, 49.4413,
115.9894


 19.8382, 8.8660,
33.7060


 102.1207, 67.4388,
147.9100


 12.3851, 4.6539,
22.3923


 130.1381, 89.3465,
185.2077

 7.0806, 2.0457,
13.9444

 162.8616,
115.5489, 228.3009

 3.5593, 0.6338,
7.9437

 200.6565,
146.4303, 277.6083

 1.4560, 0.0000,
3.9717

243.8883,

 0.2956, 0.0000,

182.3752, 333.5482

1.6098

292.9222,
223.7679, 396.5394

■ 0.0000, 0.0000,
0.2978

■ 0.0000, 0.0000,
0.0000

■ 42.6518, 23.6395,
66.6049

■ 42.6518, 23.6395,
66.6049

■ 41.5593, 21.4839,
66.1483

■ 44.2271, 26.7592,
67.2228

■ 40.8911, 20.1775,
65.8331


■ 46.3298, 30.9347,
68.0165


■ 40.5637, 19.5526,
65.6316


■ 49.0028, 36.2505,
69.0003


■ 40.5261, 19.4819,
65.6053


■ 52.2834, 42.7816,
70.1868

 56.2061, 50.5969,
71.5873

 60.8027, 59.7599,
73.2126

 66.1029, 70.3299,
75.0725

 72.1345, 82.3629,
77.1763

 76.5148, 91.0933,
78.7297

Harmonies

Analogous

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



32.5664, 23.6395, 109.5674



42.6518, 23.6395, 66.6049



47.2147, 23.6395, 27.7345

Triad

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



42.6518, 23.6395, 66.6049



23.1549, 23.6395, 0.6466



9.5448, 23.6395, 60.4529

Complementary

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



42.6518, 23.6395, 66.6049



28.0151, 50.7715, 13.9549

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.



8.3565, 23.6395, 23.8424



42.6518, 23.6395, 66.6049



14.7091, 23.6395, 1.4049

Square

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



42.6518, 23.6395, 66.6049



34.0968, 23.6395, 1.7039



9.9339, 23.6395, 6.3479



13.8397, 23.6395, 104.5360

Rectangle

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



42.6518, 23.6395, 66.6049



45.7385, 23.6395, 12.3813



9.9339, 23.6395, 6.3479



8.8357, 23.6395, 46.3341

Sweetspot

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



42.6527, 23.6406, 66.6054



80.2234, 70.4401, 103.6704



16.8468, 10.3222, 66.0712



16.8251, 14.3877, 22.0663



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.



42.6527, 23.6406, 66.6054



60.0362, 30.3354, 96.1096



35.2697, 20.6874, 27.7270



12.9493, 12.6312, 15.6731



23.9888, 11.5318, 38.8404



1.4481, 0.6960, 2.3490

Inverse Universe

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



42.6527, 23.6406, 66.6054



60.0362, 30.3354, 96.1096



31.8234, 52.2948, 34.0095



12.9493, 12.6312, 15.6731



23.9888, 11.5318, 38.8404



1.4481, 0.6960, 2.3490

Previews

White Background



This preview shows how the XYZ color 42.6518, 23.6395, 66.6049 looks on a white background.

Color Contrast Check

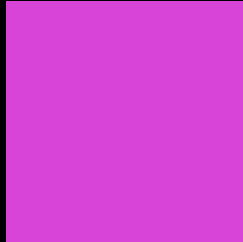
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6518, 23.6395, 66.6049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

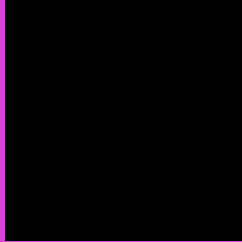
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6518, 23.6395, 66.6049

Background



This preview shows how black text looks on a background with the XYZ color 42.6518, 23.6395, 66.6049.



This preview shows how white text looks on a background with the XYZ color 42.6518, 23.6395,

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

42.6518, 23.6395, 66.6049

Protanopia

28.0825, 24.2420, 97.8068

Deuteranopia

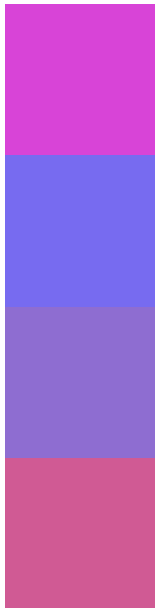
24.5526, 23.8355, 61.0643



Tritanopia

32.4677, 23.4659, 17.5700

Trichromacy



Original Color

42.6518, 23.6395, 66.6049

Protanomaly

28.5936, 20.7286, 84.9320

Deuteranomaly

28.1326, 21.2915, 62.9485

Tritanomaly

35.0139, 22.8603, 30.5840

Monochromacy



Original Color

42.6518, 23.6395, 66.6049

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

26.3008, 20.6305, 35.8536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6518, 23.6395, 66.6049 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(216, 68, 215)` looks like.

```
.text, #text, p{  
    color:rgb(216, 68, 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(216, 68, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 68, 215) }
```

Border

The CSS property to change the border of an element to XYZ 42.6518, 23.6395, 66.6049 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(216, 68, 215) }
```


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

```
.border{ border-color:rgb(216, 68, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 68, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 68, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 68, 215);  
box-shadow:4px 4px 4px 4px rgb(216, 68,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6518, 23.6395, 66.6049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 68, 215) }
```

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

```
.background{ background-color: rgb(216, 68,  
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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