

Converting Colors

XYZ(42.5837, 21.4262, 76.3488)

Have a look what the booklet for
XYZ(42.5837, 21.4262, 76.3488)
contains.

XYZ(42.6332, 21.4709, 76.0260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6332, 21.4709,
76.0260)**

Conversions

Conversions Part 1

Format	Color
Hex	D628E5
RGB	214, 40, 229
RGB Percent	84%, 16%, 90%
CMY	0.1608, 0.8431, 0.1020
CMYK	0.07, 0.83, 0.00, 0.10
HSL	295°, 78%, 53%
HSV	295°, 83%, 90%
XYZ	42.6332, 21.4709, 76.0260
YIQ	113.5720, 43.0350, 95.6670

Conversions

Conversions Part 2

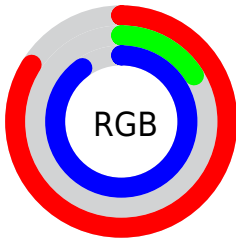
Format	Color
R _{YB}	214, 40, 229
Decimal	14035173
CIE _{Lab}	53.46, 83.34, -57.67
CIE _{LCh}	53, 101.349, 325.317
Yxy	21.4709, 0.3042, 0.1532
Android (android.graphics.Color)	4292225253 (0xFFD628E5)
YUV	113.5720, 56.9060, 88.0754
Hunter-Lab	46.3367, 83.1440, -64.8432

Details

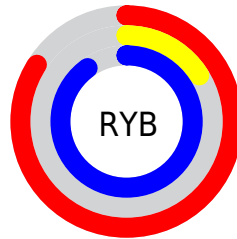
The XYZ color **42.6332, 21.4709, 76.0260** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.9787, 57.0046, 11.4314**, and the grayscale version is **15.6948, 16.5122, 17.9818**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **20.8693, 9.8872, 40.3436** is the 20% darker color. If you saturate the color by 10%, you get **41.5496, 20.0860, 75.8161**, and if you desaturate by 10%, it is **44.1809, 23.7737, 76.3892**.

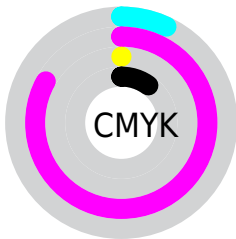
Distribution



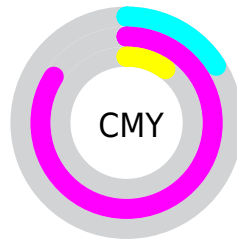
- Red (84%)
- Green (16%)
- Blue (90%)



- Red (84%)
- Yellow (16%)
- Blue (90%)



- Cyan (7%)
- Magenta (83%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (84%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6332, 21.4709, 76.0260 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 42.6332, 21.4709, 76.0260 by changing the saturation by 10% instead.

42.6332, 21.4709,
76.0260

42.6332, 21.4709,
76.0260

348.0483,
259.7706, 500.7859

29.7907, 13.4686,
55.9470

78.4162, 45.8699,
129.5241

19.8271, 7.7520,
39.7568

102.0874, 63.0355,
163.7803

12.3769, 3.9367,
27.0366

130.0990, 84.0243,
203.5993

7.0749, 1.6382,
17.3680

162.8161,
109.2207, 249.3997

3.5558, 0.3832,
10.3325

200.6043,
139.0092, 301.6001

1.4540, 0.0000,
5.5115

243.8288,

0.2942, 0.0000,

173.7740, 360.6188

2.4865

292.8550,
213.8997, 426.8746

■ 0.0000, 0.0000,
0.8330

■ 0.0000, 0.0000,
0.0000

■ 42.6332, 21.4709,
76.0260

■ 42.6332, 21.4709,
76.0260

■ 41.5496, 20.0860,
75.8161

■ 44.1809, 23.7737,
76.3892

■ 40.9572, 19.4804,
75.7304

■ 46.2604, 27.1320,
76.9278

■ 48.9309, 31.6634,
77.6617

■ 52.2429, 37.4691,
78.6078

■ 56.2417, 44.6394,
79.7810

■ 60.9684, 53.2564,
81.1952

■ 66.4606, 63.3958,
82.8628

■ 72.7537, 75.1278,
84.7956

■ 79.8806, 88.5185,
87.0046

Harmonies

Analogous

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



30.6145, 21.4709, 128.5390



42.6332, 21.4709, 76.0260



48.8147, 21.4709, 28.5661

Triad

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



42.6332, 21.4709, 76.0260



22.1465, 21.4709, 0.0000



6.8215, 21.4709, 59.0522

Complementary

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



42.6332, 21.4709, 76.0260



29.9787, 57.0046, 11.4314

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.



5.9373, 21.4709, 18.8598



42.6332, 21.4709, 76.0260



12.7661, 21.4709, 0.0391

Square

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



42.6332, 21.4709, 76.0260



34.6176, 21.4709, 0.6175



7.6692, 21.4709, 3.2578



10.7404, 21.4709, 114.0278

Rectangle

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



42.6332, 21.4709, 76.0260



47.6314, 21.4709, 10.9432



7.6692, 21.4709, 3.2578



6.2350, 21.4709, 42.8232

Sweetspot

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



42.6341, 21.4718, 76.0264



76.1384, 64.9038, 103.1225



16.4209, 8.9136, 74.9840



15.8361, 13.0516, 21.9345



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.



42.6341, 21.4718, 76.0264



52.3271, 24.9316, 96.6621



38.5979, 20.3866, 30.8624



14.8763, 14.5540, 18.1695



23.4650, 11.1626, 43.3010



1.7676, 0.8422, 3.2014

Inverse Universe

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



33.7622, 18.4523, 5.3978



41.4182, 21.3756, 2.7319



32.2100, 57.8162, 26.8381



14.4232, 14.3865, 15.1629



18.5554, 9.5564, 1.2880



1.3874, 0.7127, 0.1807

Previews

White Background



This preview shows how the XYZ color 42.6332, 21.4709, 76.0260 looks on a white background.

Color Contrast Check

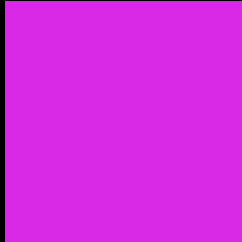
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6332, 21.4709, 76.0260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

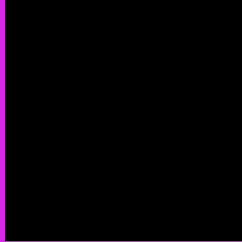
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6332, 21.4709, 76.0260

Background



This preview shows how black text looks on a background with the XYZ color 42.6332, 21.4709, 76.0260.



This preview shows how white text looks on a background with the XYZ color 42.6332, 21.4709,

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

42.6332, 21.4709, 76.0260

Protanopia

26.0570, 22.0474, 97.4900

Deuteranopia

22.4917, 21.8166, 67.9913



Tritanopia

30.0437, 21.2858, 15.0955

Trichromacy



Original Color

42.6332, 21.4709, 76.0260



Protanomaly

26.0284, 17.3073, 89.1576



Deuteranomaly

25.0716, 17.7629, 70.5138



Tritanomaly

32.7632, 20.0076, 30.1520

Monochromacy



Original Color

42.6332, 21.4709, 76.0260



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.9866, 15.7007, 33.3242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6332, 21.4709, 76.0260 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(214, 40, 229)` looks like.

```
.text, #text, p{  
    color:rgb(214, 40, 229)  
}
```

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(214, 40, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 40, 229) }
```

Border

The CSS property to change the border of an element to XYZ 42.6332, 21.4709, 76.0260 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(214, 40, 229) }
```


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

```
.border{ border-color:rgb(214, 40, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 40, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 40, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 40, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 40,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6332, 21.4709, 76.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 40, 229) }
```

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

```
.background{ background-color: rgb(214, 40,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor