

Converting Colors

XYZ(44.6525, 21.4362, 88.1747)

Have a look what the booklet for
XYZ(44.6525, 21.4362, 88.1747)
contains.

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Color

**XYZ(44.7221, 21.4723,
88.1736)**

Conversions

Conversions Part 1

Format	Color
Hex	D712F5
RGB	215, 18, 245
RGB Percent	84%, 7%, 96%
CMY	0.1569, 0.9293, 0.0392
CMYK	0.12, 0.93, 0.00, 0.04
HSL	292°, 92%, 52%
HSV	292°, 93%, 96%
XYZ	44.7221, 21.4723, 88.1736
YIQ	102.7810, 44.5450, 112.3610

Conversions

Conversions Part 2

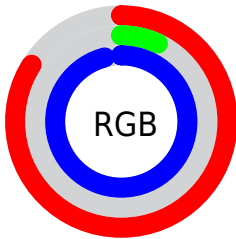
Format	Color
R _Y B	215, 18, 245
Decimal	14095093
CIE _{Lab}	53.46, 89.49, -66.66
CIE _{LCh}	53, 111.583, 323.319
Y _{xy}	21.4723, 0.2897, 0.1391
Android (android.graphics.Color)	4292285173 (0xFFD712F5)
YUV	102.7810, 70.1140, 98.4161
Hunter-Lab	46.3382, 91.1827, -80.3819

Details

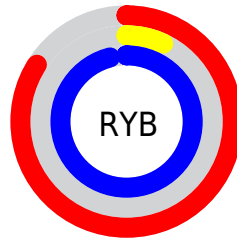
The XYZ color **44.7221, 21.4723, 88.1736** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **33.9815, 65.9775, 11.5170**, and the grayscale version is **12.6504, 13.3092, 14.4937**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **22.5947, 10.5994, 48.4320** is the 20% darker color. If you saturate the color by 10%, you get **43.8122, 20.6821, 88.0694**, and if you desaturate by 10%, it is **46.3133, 23.2280, 88.4290**.

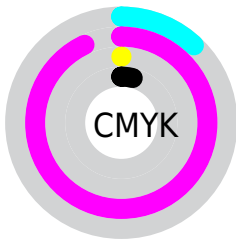
Distribution



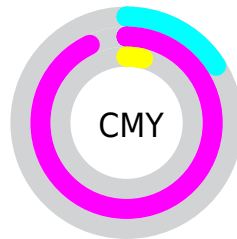
- Red (84%)
- Green (7%)
- Blue (96%)



- Red (84%)
- Yellow (7%)
- Blue (96%)



- Cyan (12%)
- Magenta (93%)
- Yellow (0%)
- Black (4%)




- Cyan (16%)
- Magenta (93%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7221, 21.4723, 88.1736 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 44.7221, 21.4723, 88.1736 by changing the saturation by 10% instead.

 44.7221, 21.4723,
88.1736


 44.7221, 21.4723,
88.1736

356.4495,
259.7780, 542.4876


 31.4389, 13.4697,
65.9017


 81.5429, 45.8723,
146.7121

 21.0868, 7.7528,
47.7366


 105.8112, 63.0384,
183.8157


 13.3003, 3.9372,
33.2599


 134.4719, 84.0278,
226.7004

 7.7141, 1.6385,
22.0528

 167.8905,
109.2249, 275.7846

 3.9628, 0.3833,
13.6970

 206.4321,
139.0141, 331.4869

 1.6811, 0.0000,
7.7739

250.4623,

 0.4444, 0.0000,

173.7797, 394.2258

3.8649

300.3463,
213.9062, 464.4198

■ 0.0000, 0.0000,
1.5515

■ 0.0000, 0.0000,
0.2559

■ 44.7221, 21.4723,
88.1736

■ 44.7221, 21.4723,
88.1736

■ 43.8122, 20.6821,
88.0694

■ 46.3133, 23.2280,
88.4290

■ 48.4543, 26.0564,
88.8620

■ 51.2299, 30.1256,
89.5012

■ 54.7093, 35.5740,
90.3695

■ 58.9525, 42.5215,
91.4868

■ 64.0129, 51.0747,
92.8710

■ 69.9392, 61.3309,
94.5383

■ 76.7762, 73.3792,
96.5035

■ 84.5653, 87.3028,
98.7805

Harmonies

Analogous

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



30.8391, 21.4723, 149.3786



44.7221, 21.4723, 88.1736



52.4952, 21.4723, 31.8367

Triad

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



44.7221, 21.4723, 88.1736



23.1803, 21.4723, 0.0000



5.8080, 21.4723, 59.9607

Complementary

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



44.7221, 21.4723, 88.1736



33.9815, 65.9775, 11.5170

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.



5.0995, 21.4723, 16.5710



44.7221, 21.4723, 88.1736



12.6434, 21.4723, 0.0000

Square

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



44.7221, 21.4723, 88.1736



37.2990, 21.4723, 0.1881



7.0339, 21.4723, 2.0386



9.5876, 21.4723, 124.6990

Rectangle

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



44.7221, 21.4723, 88.1736



51.6387, 21.4723, 11.3255



7.0339, 21.4723, 2.0386



5.2837, 21.4723, 41.8961

Sweetspot

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



44.7231, 21.4732, 88.1741



72.9607, 60.8491, 102.5073



17.7998, 8.8584, 87.1582



15.0390, 12.0302, 21.7794



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.



44.7231, 21.4732, 88.1741



47.9599, 22.6391, 96.4498



44.3744, 22.4463, 36.0707



16.9856, 16.6507, 20.8612



23.6876, 11.1857, 47.4486



2.1405, 1.0133, 4.1730

Inverse Universe

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



38.4067, 20.0593, 4.6456



41.5244, 21.3738, 3.4278



35.2633, 66.3782, 23.3286



16.5883, 16.5182, 17.5784



20.4574, 10.5264, 1.8509



1.8254, 0.9361, 0.3071

Previews

White Background



This preview shows how the XYZ color 44.7221, 21.4723, 88.1736 looks on a white background.

Color Contrast Check

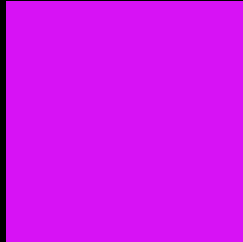
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.7221, 21.4723, 88.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

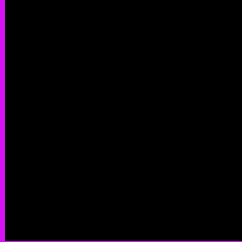
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.7221, 21.4723, 88.1736

Background



This preview shows how black text looks on a background with the XYZ color 44.7221, 21.4723, 88.1736.



This preview shows how white text looks on a background with the XYZ color 44.7221, 21.4723,

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

44.7221, 21.4723, 88.1736

Protanopia

26.0570, 22.0474, 97.4900

Deuteranopia

22.7157, 21.8942, 78.6301



Tritanopia

29.7993, 21.4192, 15.6604

Trichromacy



Original Color

44.7221, 21.4723, 88.1736



Protanomaly

26.1406, 16.2868, 93.0327



Deuteranomaly

23.1263, 15.4762, 81.1252



Tritanomaly

32.8854, 19.3382, 33.0097

Monochromacy



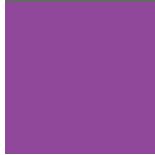
Original Color

44.7221, 21.4723, 88.1736



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

19.7354, 12.9306, 32.4660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7221, 21.4723, 88.1736 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(215, 18, 245)` looks like.

```
.text, #text, p{  
    color:rgb(215, 18, 245)  
}
```

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(215, 18, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 18, 245) }
```

Border

The CSS property to change the border of an element to XYZ 44.7221, 21.4723, 88.1736 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(215, 18, 245) }
```


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

```
.border{ border-color:rgb(215, 18, 245) }
```

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

Here you see how a box with a 4 pixel rgb(215, 18, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 18, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 18, 245);  
box-shadow:4px 4px 4px 4px rgb(215, 18,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7221, 21.4723, 88.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 18, 245) }
```

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

```
.background{ background-color: rgb(215, 18,  
245) }
```

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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