

Converting Colors

XYZ(47.5223, 22.8551, 76.4782)

Have a look what the booklet for
XYZ(47.5223, 22.8551, 76.4782)
contains.

XYZ(47.5616, 22.8690, 76.7703)	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(47.5616, 22.8690,
76.7703)**

Conversions

Conversions Part 1

Format	Color
Hex	E800E6
RGB	232, 0, 230
RGB Percent	91%, 0%, 90%
CMY	0.0902, 0.9998, 0.0980
CMYK	0.00, 1.00, 0.01, 0.09
HSL	301°, 100%, 45%
HSV	301°, 100%, 91%
XYZ	47.5616, 22.8690, 76.7703
YIQ	95.5880, 64.4420, 120.7140

Conversions

Conversions Part 2

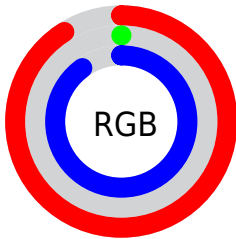
Format	Color
R _Y B	232, 0, 230
Decimal	15204582
CIE Lab	54.94, 91.19, -55.70
CIE LCh	55, 106.860, 328.582
Yxy	22.8690, 0.3231, 0.1554
Android (android.graphics.Color)	4293394662 (0xFFE800E6)
YUV	95.5880, 66.2651, 119.6333
Hunter-Lab	47.8215, 93.8420, -61.7061

Details

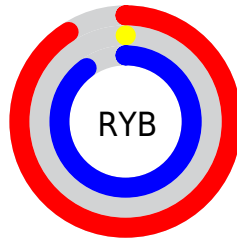
The XYZ color **47.5616, 22.8690, 76.7703** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.8686, 57.7187, 9.6779**, and the grayscale version is **10.8588, 11.4244, 12.4411**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.4346, 11.7139, 41.0176** is the 20% darker color. If you saturate the color by 10%, you get **47.5621, 22.8692, 76.7704**, and if you desaturate by 10%, it is **47.9014, 23.5028, 77.0225**.

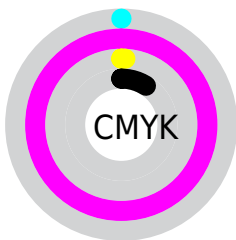
Distribution



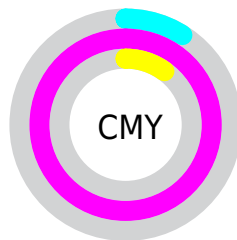
- Red (91%)
- Green (0%)
- Blue (90%)



- Red (91%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5616, 22.8690, 76.7703 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 47.5616, 22.8690, 76.7703 by changing the saturation by 10% instead.


 47.5616, 22.8690,
76.7703


 47.5616, 22.8690,
76.7703

367.6634,
267.0514, 503.3974

 33.6896, 14.4968,
56.5539

 85.7650, 48.1781,
130.5852

 22.8170, 8.4670,
40.2402


 110.8271, 65.8839,
165.0209


 14.5784, 4.3952,
27.4107


 140.3500, 87.4696,
205.0334

 8.6084, 1.8970,
17.6468


 174.6990,
113.3196, 251.0412

 4.5417, 0.5466,
10.5299

 214.2395,
143.8185, 303.4630

 2.0129, 0.0000,
5.6415

259.3368,

 0.6412, 0.0000,

179.3504, 362.7173

2.5631

310.3563,
220.3000, 429.2226

■ 0.0000, 0.0000,
0.8733

■ 0.0000, 0.0000,
0.0000

■ 47.5616, 22.8690,
76.7703

■ 47.5616, 22.8690,
76.7703

■ 47.5621, 22.8692,
76.7704

■ 47.9014, 23.5028,
77.0225

■ 48.6127, 24.8803,
77.3984

■ 49.8143, 27.2384,
77.9380

■ 51.5751, 30.7150,
78.6642

■ 53.9531, 35.4257,
79.5962

■ 56.9988, 41.4718,
80.7510

■ 60.7578, 48.9444,
82.1437

■ 65.2713, 57.9262,
83.7881

■ 70.5778, 68.4938,
85.6969

Harmonies

Analogous

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



34.5638, 22.8690, 137.4322



47.5616, 22.8690, 76.7703



53.4055, 22.8690, 26.5505

Triad

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



47.5616, 22.8690, 76.7703



22.3051, 22.8690, 0.0000



7.2375, 22.8690, 70.9963

Complementary

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



47.5616, 22.8690, 76.7703



28.8686, 57.7187, 9.6779

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.



5.9865, 22.8690, 23.3202



47.5616, 22.8690, 76.7703



12.5547, 22.8690, 0.0617

Square

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



47.5616, 22.8690, 76.7703



35.9115, 22.8690, 0.2465



7.5117, 22.8690, 4.0210



11.8895, 22.8690, 132.4501

Rectangle

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



47.5616, 22.8690, 76.7703



51.2836, 22.8690, 9.3553



7.5117, 22.8690, 4.0210



6.5005, 22.8690, 52.0270

Sweetspot

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



47.5625, 22.8701, 76.7708



75.2040, 60.4777, 101.7614



14.5666, 5.8274, 76.7019



15.6518, 12.0600, 21.6171



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.



47.5625, 22.8701, 76.7708



58.9378, 28.3391, 95.1255



36.4331, 18.4183, 18.1641



14.9895, 14.6130, 18.1451



26.4069, 12.6970, 42.6332



1.9531, 0.9390, 3.1597

Inverse Universe

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



47.5625, 22.8701, 76.7708



58.9378, 28.3391, 95.1255



32.0110, 58.9756, 26.2255



14.9895, 14.6130, 18.1451



26.4069, 12.6970, 42.6332



1.9531, 0.9390, 3.1597

Previews

White Background



This preview shows how the XYZ color 47.5616, 22.8690, 76.7703 looks on a white background.

Color Contrast Check

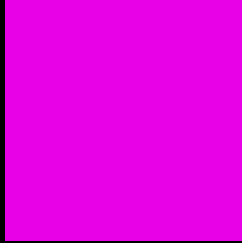
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5616, 22.8690, 76.7703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

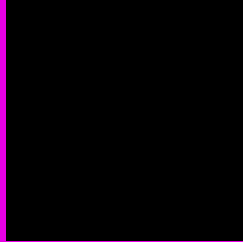
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.5616, 22.8690, 76.7703

Background



This preview shows how black text looks on a background with the XYZ color 47.5616, 22.8690, 76.7703.



This preview shows how white text looks on a background with the XYZ color 47.5616, 22.8690,

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

47.5616, 22.8690, 76.7703

Protanopia

27.5876, 23.7904, 97.7457

Deuteranopia

24.1755, 23.4823, 68.2241



Tritanopia

34.6809, 23.0623, 13.6899

Trichromacy



Original Color

47.5616, 22.8690, 76.7703



Protanomaly

27.5370, 16.7534, 88.9711



Deuteranomaly

26.4530, 16.9517, 70.2844



Tritanomaly

37.0054, 20.6586, 28.8252

Monochromacy



Original Color

47.5616, 22.8690, 76.7703



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.4566, 11.4016, 28.0160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5616, 22.8690, 76.7703 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(232, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 230)  
}
```

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(232, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.5616, 22.8690, 76.7703 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(232, 0, 230) }
```


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

```
.border{ border-color:rgb(232, 0, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5616, 22.8690, 76.7703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 230) }
```

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

```
.background{ background-color: rgb(232, 0,  
230) }
```

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