

Converting Colors

XYZ(42.6471, 22.4077, 47.1588)

Have a look what the booklet for
XYZ(42.6471, 22.4077, 47.1588)
contains.

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Color

**XYZ(42.5451, 22.3264,
47.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	E72DB8
RGB	231, 45, 184
RGB Percent	91%, 18%, 72%
CMY	0.0941, 0.8235, 0.2784
CMYK	0.00, 0.81, 0.20, 0.09
HSL	315°, 79%, 54%
HSV	315°, 81%, 91%
XYZ	42.5451, 22.3264, 47.4144
YIQ	116.4600, 66.2370, 82.6610

Conversions

Conversions Part 2

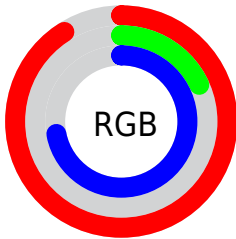
Format	Color
R_{YB}	231, 45, 184
Decimal	15150520
CIE Lab	54.37, 79.15, -30.26
CIE LCh	54, 84.741, 339.076
Yxy	22.3264, 0.3789, 0.1988
Android (android.graphics.Color)	4293340600 (0xFFE72DB8)
YUV	116.4600, 33.2972, 100.4516
Hunter-Lab	47.2508, 78.0342, -26.4197

Details

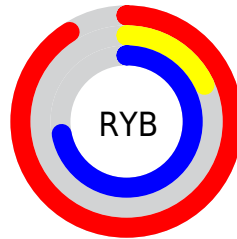
The XYZ color **42.5451, 22.3264, 47.4144** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **31.5913, 58.4833, 19.7518**, and the grayscale version is **16.6304, 17.4965, 19.0537**.

A 20% lighter version of the original color is **62.8733, 39.3615, 86.7218**, and **20.8913, 10.2966, 22.3591** is the 20% darker color. If you saturate the color by 10%, you get **41.2927, 20.7804, 44.0399**, and if you desaturate by 10%, it is **44.3057, 24.8477, 51.0832**.

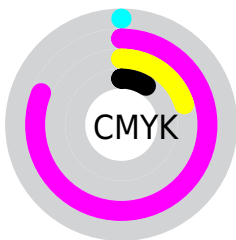
Distribution



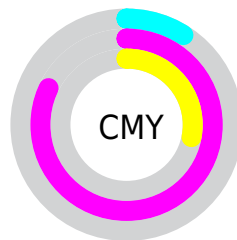
- Red (91%)
- Green (18%)
- Blue (72%)



- Red (91%)
- Yellow (18%)
- Blue (72%)



- Cyan (0%)
- Magenta (81%)
- Yellow (20%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5451, 22.3264, 47.4144 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 42.5451, 22.3264, 47.4144 by changing the saturation by 10% instead.

 42.5451, 22.3264,
47.4144


 42.5451, 22.3264,
47.4144

347.6909,
264.2461, 392.9078


 29.7213, 14.0969,
33.0067


 78.2839, 47.2849,
87.6883


 19.7742, 8.1881,
21.8604


 101.9297, 64.7827,
114.3916


 12.3383, 4.2156,
13.5570


 129.9136, 86.1387,
146.0305

 7.0484, 1.7949,
7.6780


 162.6008,
111.7373, 183.0235

 3.5390, 0.4840,
3.8048

 200.3568,
141.9630, 225.7892

 1.4448, 0.0000,
1.5189

243.5469,

 0.2878, 0.0000,

177.2001, 274.7461

0.2319

292.5365,
217.8330, 330.3128

■ 0.0000, 0.0000,
0.0000

■ 42.5451, 22.3264,
47.4144

■ 42.5451, 22.3264,
47.4144

■ 41.2927, 20.7804,
44.0399

■ 44.3057, 24.8477,
51.0832


■ 40.4617, 19.9916,
41.0713


■ 46.6415, 28.4786,
55.0697


■ 49.6111, 33.3359,
59.3949


■ 53.2652, 39.5205,
64.0773

■ 57.6494, 47.1229,
69.1332

 62.8052, 56.2258,
74.5780

 68.7708, 66.9051,
80.4257

 75.5819, 79.2320,
86.6896

 83.2721, 93.2730,
93.3822

Harmonies

Analogous

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



34.5218, 22.3264, 89.1655



42.5451, 22.3264, 47.4144



44.0737, 22.3264, 17.1273

Triad

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



42.5451, 22.3264, 47.4144



18.5368, 22.3264, 0.7036



10.1917, 22.3264, 72.6273

Complementary

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



42.5451, 22.3264, 47.4144



31.5913, 58.4833, 19.7518

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.



8.0575, 22.3264, 33.2625



42.5451, 22.3264, 47.4144



11.8679, 22.3264, 2.3325

Square

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



42.5451, 22.3264, 47.4144



28.2269, 22.3264, 1.0212



8.5660, 22.3264, 10.2792



15.4816, 22.3264, 109.6737

Rectangle

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



42.5451, 22.3264, 47.4144



40.8685, 22.3264, 7.0074



8.5660, 22.3264, 10.2792



9.1631, 22.3264, 58.4154

Sweetspot

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



42.5458, 22.3276, 47.4148



76.1464, 66.0182, 90.8053



19.7277, 9.8976, 76.4724



15.8070, 13.2634, 18.9152



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.



42.5458, 22.3276, 47.4148



50.8922, 25.2537, 52.3481



35.8045, 19.6310, 11.9155



14.8313, 14.5497, 17.3122



22.7358, 11.2285, 23.3015



1.7169, 0.8445, 1.9157

Inverse Universe

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



42.5458, 22.3276, 47.4148



50.8922, 25.2537, 52.3481



38.3635, 61.1922, 55.4141



14.8313, 14.5497, 17.3122



22.7358, 11.2285, 23.3015



1.7169, 0.8445, 1.9157

Previews

White Background



This preview shows how the XYZ color 42.5451, 22.3264, 47.4144 looks on a white background.

Color Contrast Check

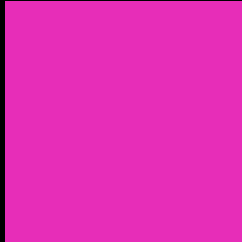
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5451, 22.3264, 47.4144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

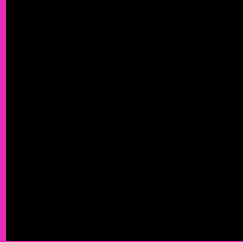
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.5451, 22.3264, 47.4144

Background



This preview shows how black text looks on a background with the XYZ color 42.5451, 22.3264, 47.4144.



This preview shows how white text looks on a background with the XYZ color 42.5451, 22.3264,

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

42.5451, 22.3264, 47.4144

Protanopia

26.6749, 23.0424, 92.6642

Deuteranopia

23.1388, 22.7107, 42.6992



Tritanopia

35.1284, 22.3944, 11.2752

Trichromacy



Original Color

42.5451, 22.3264, 47.4144



Protanomaly

26.0337, 18.1966, 73.3743



Deuteranomaly

26.8007, 19.3833, 43.9238



Tritanomaly

37.0050, 21.8301, 20.6756

Monochromacy



Original Color

42.5451, 22.3264, 47.4144



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

22.5644, 16.5045, 27.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5451, 22.3264, 47.4144 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(231, 45, 184)` looks like.

```
.text, #text, p{  
    color:rgb(231, 45, 184)  
}
```

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(231, 45, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 45, 184) }
```

Border

The CSS property to change the border of an element to XYZ 42.5451, 22.3264, 47.4144 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(231, 45, 184) }
```


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

```
.border{ border-color:rgb(231, 45, 184) }
```

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

Here you see how a box with a 4 pixel rgb(231, 45, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 45, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 45, 184);  
box-shadow:4px 4px 4px 4px rgb(231, 45,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5451, 22.3264, 47.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 45, 184) }
```

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

```
.background{ background-color: rgb(231, 45,  
184) }
```

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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