

Converting Colors

XYZ(42.4191, 21.0462, 42.8297)

Have a look what the booklet for
XYZ(42.4191, 21.0462, 42.8297)
contains.

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Color

**XYZ(42.4828, 21.0760,
42.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	EC05B0
RGB	236, 5, 176
RGB Percent	93%, 2%, 69%
CMY	0.0745, 0.9802, 0.3098
CMYK	0.00, 0.98, 0.25, 0.07
HSL	316°, 96%, 47%
HSV	316°, 98%, 93%
XYZ	42.4828, 21.0760, 42.9033
YIQ	93.5630, 82.7850, 102.1530

Conversions

Conversions Part 2

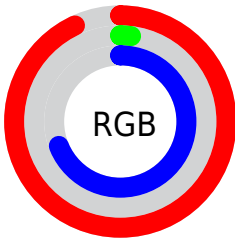
Format	Color
R_{YB}	236, 5, 176
Decimal	15467952
CIE _{Lab}	53.03, 84.74, -27.60
CIE _{LCh}	53, 89.120, 341.957
Yxy	21.0760, 0.3990, 0.1980
Android (android.graphics.Color)	4293658032 (0xFFEC05B0)
YUV	93.5630, 40.6414, 124.9172
Hunter-Lab	45.9086, 84.8399, -23.2727

Details

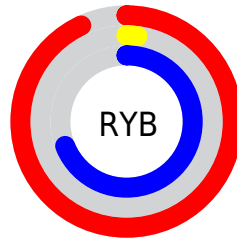
The XYZ color **42.4828, 21.0760, 42.9033** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **31.0143, 60.4059, 15.0334**, and the grayscale version is **10.4369, 10.9804, 11.9576**.

A 20% lighter version of the original color is **60.2673, 36.0099, 80.1181**, and **21.2543, 10.5440, 19.6539** is the 20% darker color. If you saturate the color by 10%, you get **42.2995, 20.9158, 42.2050**, and if you desaturate by 10%, it is **43.4801, 22.0774, 46.2970**.

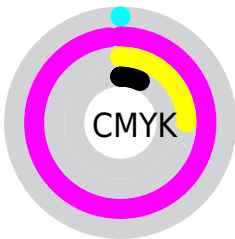
Distribution



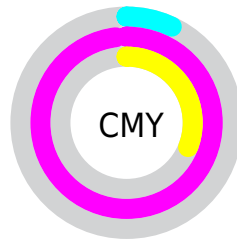
- Red (93%)
- Green (2%)
- Blue (69%)



- Red (93%)
- Yellow (2%)
- Blue (69%)



- Cyan (0%)
- Magenta (98%)
- Yellow (25%)
- Black (7%)





- Cyan (7%)
- Magenta (98%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4828, 21.0760, 42.9033 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 42.4828, 21.0760, 42.9033 by changing the saturation by 10% instead.

 42.4828, 21.0760,
42.9033


 42.4828, 21.0760,
42.9033


347.4381,
257.6821, 374.1235


 29.6723, 13.1796,
29.4784


 78.1904, 45.2140,
80.8497

 19.7368, 7.5523,
19.1943


 101.8182, 62.2243,
106.2083


 12.3110, 3.8098,
11.6326


 129.7824, 83.0414,
136.3819

 7.0296, 1.5678,
6.3745

 162.4485,
108.0497, 171.7890

 3.5271, 0.3357,
3.0017

 200.1817,
137.6335, 212.8482

 1.4382, 0.0000,
1.0955

243.3475,

 0.2832, 0.0000,

172.1772, 259.9779

0.0000

292.3112,
212.0653, 313.5969

■ 0.0000, 0.0000,
0.0000

■ 42.4828, 21.0760,
42.9033

■ 42.4828, 21.0760,
42.9033

■ 42.2995, 20.9158,
42.2050

■ 43.4801, 22.0774,
46.2970

■ 44.9368, 23.9534,
49.9806

■ 46.9482, 26.8939,
53.9878

■ 49.5835, 31.0367,
58.3432

■ 52.9018, 36.4993,
63.0682

■ 56.9548, 43.3848,
68.1817

■ 61.7892, 51.7862,
73.7008

■ 67.4479, 61.7886,
79.6413

■ 73.9705, 73.4705,
86.0179

Harmonies

Analogous

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



34.6366, 21.0760, 86.5891



42.4828, 21.0760, 42.9033



43.3044, 21.0760, 13.8394

Triad

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



42.4828, 21.0760, 42.9033



16.5296, 21.0760, 0.2971



9.4069, 21.0760, 77.5446

Complementary

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



42.4828, 21.0760, 42.9033



31.0143, 60.4059, 15.0334

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.



7.0789, 21.0760, 35.3705



42.4828, 21.0760, 42.9033



10.2471, 21.0760, 1.9975

Square

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



42.4828, 21.0760, 42.9033



26.1402, 21.0760, 0.4683



7.3290, 21.0760, 10.3986



14.9584, 21.0760, 115.1389

Rectangle

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



42.4828, 21.0760, 42.9033



39.5130, 21.0760, 5.0487



7.3290, 21.0760, 10.3986



8.3127, 21.0760, 62.4737

Sweetspot

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



42.4835, 21.0771, 42.9037



72.8836, 60.3719, 87.0072



17.2315, 7.2155, 79.8416



15.0577, 11.9767, 18.0126



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.



42.4835, 21.0771, 42.9037



50.3984, 24.9234, 50.1576



35.5382, 18.2990, 6.3305



15.5380, 15.2430, 18.1183



23.3718, 11.5514, 23.5572



1.8742, 0.9226, 2.0547

Inverse Universe

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



42.4835, 21.0771, 42.9037



50.3984, 24.9234, 50.1576



38.1210, 63.2486, 52.4569



15.5380, 15.2430, 18.1183



23.3718, 11.5514, 23.5572



1.8742, 0.9226, 2.0547

Previews

White Background



This preview shows how the XYZ color 42.4828, 21.0760, 42.9033 looks on a white background.

Color Contrast Check

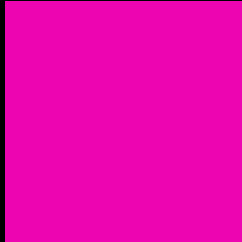
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4828, 21.0760, 42.9033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

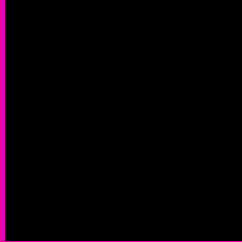
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.4828, 21.0760, 42.9033

Background



This preview shows how black text looks on a background with the XYZ color 42.4828, 21.0760, 42.9033.



This preview shows how white text looks on a background with the XYZ color 42.4828, 21.0760,

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

42.4828, 21.0760, 42.9033

Protanopia

25.8282, 22.0212, 93.3317

Deuteranopia

22.1375, 21.7033, 38.6197



Tritanopia

35.3256, 21.2313, 8.5395

Trichromacy



Original Color

42.4828, 21.0760, 42.9033



Protanomaly

23.7329, 15.0641, 71.4688



Deuteranomaly

25.2830, 16.6857, 39.4242



Tritanomaly

36.7465, 20.0687, 16.6887

Monochromacy



Original Color

42.4828, 21.0760, 42.9033



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.2148, 11.0115, 20.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4828, 21.0760, 42.9033 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(236, 5, 176)` looks like.

```
.text, #text, p{  
    color:rgb(236, 5, 176)  
}
```

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(236, 5, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 5, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.4828, 21.0760, 42.9033 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(236, 5, 176) }
```


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

```
.border{ border-color:rgb(236, 5, 176) }
```

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

Here you see how a box with a 4 pixel rgb(236, 5, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 5, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 5, 176);  
box-shadow:4px 4px 4px 4px rgb(236, 5,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4828, 21.0760, 42.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 5, 176) }
```

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

```
.background{ background-color: rgb(236, 5,  
176) }
```

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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