

Converting Colors

XYZ(52.0321, 30.8719, 71.5183)

Have a look what the booklet for
XYZ(52.0321, 30.8719, 71.5183)
contains.

XYZ(52.0521, 30.8798, 71.6236) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(52.0521, 30.8798,
71.6236)**

Conversions

Conversions Part 1

Format	Color
Hex	EE5BDD
RGB	238, 91, 221
RGB Percent	93%, 36%, 87%
CMY	0.0667, 0.6431, 0.1333
CMYK	0.00, 0.62, 0.07, 0.07
HSL	307°, 81%, 65%
HSV	307°, 62%, 93%
XYZ	52.0521, 30.8798, 71.6236
YIQ	149.7730, 45.8820, 71.5940

Conversions

Conversions Part 2

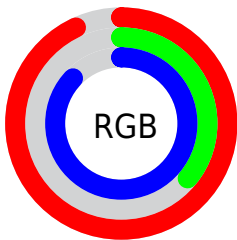
Format	Color
R_{YB}	238, 91, 221
Decimal	15621085
CIE _{Lab}	62.41, 71.12, -38.76
CIE _{LCh}	62, 80.993, 331.412
Yxy	30.8798, 0.3368, 0.1998
Android (android.graphics.Color)	4293811165 (0xFFEE5BDD)
YUV	149.7730, 35.1149, 77.3751
Hunter-Lab	55.5696, 69.9543, -37.5201

Details

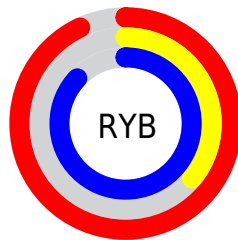
The XYZ color **52.0521, 30.8798, 71.6236** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **37.5971, 64.4571, 24.6494**, and the grayscale version is **28.7372, 30.2338, 32.9246**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **25.6321, 12.8006, 36.7171** is the 20% darker color. If you saturate the color by 10%, you get **49.9671, 27.2913, 69.1342**, and if you desaturate by 10%, it is **54.7901, 35.7634, 74.3609**.

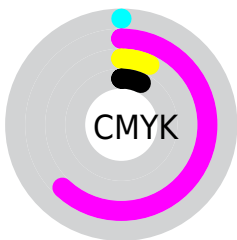
Distribution



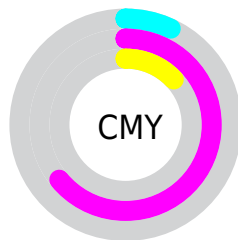
- Red (93%)
- Green (36%)
- Blue (87%)



- Red (93%)
- Yellow (36%)
- Blue (87%)



- Cyan (0%)
- Magenta (62%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (64%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0521, 30.8798, 71.6236 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 52.0521, 30.8798, 71.6236 by changing the saturation by 10% instead.

52.0521, 30.8798,
71.6236

52.0521, 30.8798,
71.6236

384.9584,
305.9842, 485.1727

37.2710, 20.5073,
52.3663

92.3818, 61.0508,
123.2240

25.5921, 12.7644,
36.9129

118.6612, 81.6181,
156.4041

16.6498, 7.2665,
24.8448

149.5041,
106.3525, 195.0623

10.0789, 3.6293,
15.7435

185.2759,
135.6383, 239.6171

5.5139, 1.4684,
9.1904

226.3418,
169.8600, 290.4870

2.5897, 0.2664,
4.7671

273.0673,

0.9407, 0.0000,

209.4019, 348.0905

2.0549

325.8177,
254.6485, 412.8462

■ 0.0000, 0.0000,
0.5887

■ 0.0000, 0.0000,
0.0000

■ 52.0521, 30.8798,
71.6236

■ 52.0521, 30.8798,
71.6236

■ 49.9671, 27.2913,
69.1342

■ 54.7901, 35.7634,
74.3609

■ 48.4685, 24.8666,
66.8694


■ 58.2331, 42.0479,
77.3628


■ 47.4811, 23.4549,
64.8045


■ 62.4315, 49.8335,
80.6463


■ 46.9524, 22.8542,
63.2203


■ 67.4300, 59.2096,
84.2267

 73.2700, 70.2589,
88.1178

 79.9900, 83.0584,
92.3326

 86.7884, 96.0046,
96.6040

 87.2011, 96.1697,
98.7774

 87.6201, 96.3373,
100.9837

Harmonies

Analogous

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



41.7792, 30.8798, 116.0670



52.0521, 30.8798, 71.6236



55.9033, 30.8798, 32.1555

Triad

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



52.0521, 30.8798, 71.6236



28.8334, 30.8798, 2.1688



14.7735, 30.8798, 75.9795

Complementary

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



52.0521, 30.8798, 71.6236



37.5971, 64.4571, 24.6494

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.



12.9054, 30.8798, 35.1342



52.0521, 30.8798, 71.6236



19.6688, 30.8798, 3.9237

Square

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



52.0521, 30.8798, 71.6236



40.6498, 30.8798, 3.5787



14.4469, 30.8798, 12.2031



20.3667, 30.8798, 119.5019

Rectangle

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



52.0521, 30.8798, 71.6236



53.7047, 30.8798, 16.0340



14.4469, 30.8798, 12.2031



13.7622, 30.8798, 60.8631

Sweetspot

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



52.0532, 30.8813, 71.6242



80.6048, 72.5322, 99.6990



25.0836, 16.7028, 82.7916



16.8561, 14.7766, 21.0685



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.



52.0532, 30.8813, 71.6242



57.9389, 31.0848, 80.1690



44.4913, 27.8565, 31.8037



16.3709, 15.9981, 19.5095



26.2256, 12.7627, 35.4344



2.2039, 1.0706, 3.0644

Inverse Universe

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



52.0532, 30.8813, 71.6242



57.9389, 31.0848, 80.1690



43.0472, 66.6371, 53.3493



16.3709, 15.9981, 19.5095



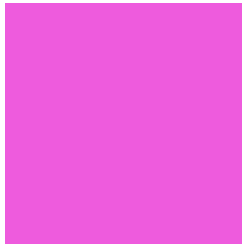
26.2256, 12.7627, 35.4344



2.2039, 1.0706, 3.0644

Previews

White Background



This preview shows how the XYZ color 52.0521, 30.8798, 71.6236 looks on a white background.

Color Contrast Check

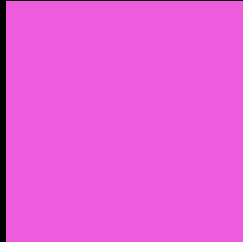
Large Text (above 18pt) WCAG AA × Fail

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 52.0521, 30.8798, 71.6236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

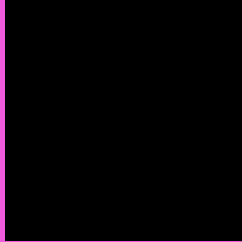
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0521, 30.8798, 71.6236

Background



This preview shows how black text looks on a background with the XYZ color 52.0521, 30.8798, 71.6236.

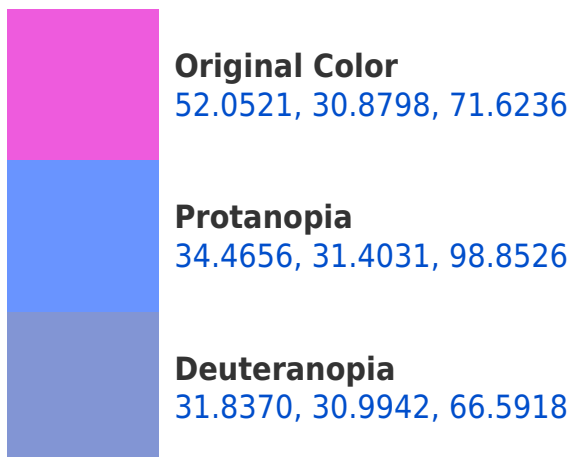


This preview shows how white text looks on a background with the XYZ color 52.0521, 30.8798,

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





Tritanopia

42.1221, 30.7229, 23.4487

Trichromacy



Original Color

52.0521, 30.8798, 71.6236



Protanomaly

36.9039, 28.4221, 88.3350



Deuteranomaly

36.3471, 28.7797, 67.9293



Tritanomaly

45.0743, 30.4541, 37.2208

Monochromacy



Original Color

52.0521, 30.8798, 71.6236



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

34.9781, 28.7802, 44.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0521, 30.8798, 71.6236 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(238, 91, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 91, 221)  
}
```

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(238, 91, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 91, 221) }
```

Border

The CSS property to change the border of an element to XYZ 52.0521, 30.8798, 71.6236 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(238, 91, 221) }
```


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

```
.border{ border-color:rgb(238, 91, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 91, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 91, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 91, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 91,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0521, 30.8798, 71.6236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 91, 221) }
```

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

```
.background{ background-color: rgb(238, 91,  
221) }
```

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