

Converting Colors

XYZ(52.2381, 25.3406, 74.2431)

Have a look what the booklet for
XYZ(52.2381, 25.3406, 74.2431)
contains.

| | |
|--|----|
| XYZ(52.0852, 25.2651, 74.0830) | 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(52.0852, 25.2651,
74.0830)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F700E2 |
| RGB | 247, 0, 226 |
| RGB Percent | 97%, 0%, 89% |
| CMY | 0.0314, 0.9998, 0.1137 |
| CMYK | 0.00, 1.00, 0.09, 0.03 |
| HSL | 305°, 100%, 48% |
| HSV | 305°, 100%, 97% |
| XYZ | 52.0852, 25.2651, 74.0830 |
| YIQ | 99.6170, 74.6660, 122.6500 |

Conversions

Conversions Part 2

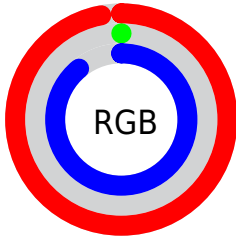
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 247, 0, 226 |
| Decimal | 16187618 |
| CIE _{Lab} | 57.33, 93.07, -49.47 |
| CIE _{LCh} | 57, 105.403, 332.008 |
| Yxy | 25.2651, 0.3439, 0.1668 |
| Android (android.graphics.Color) | 4294377698 (0xFFFF700E2) |
| YUV | 99.6170, 62.3068, 129.2549 |
| Hunter-Lab | 50.2644, 97.0034, -52.2004 |

Details

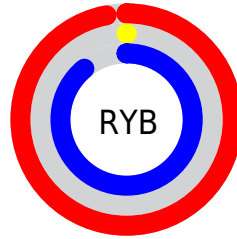
The XYZ color **52.0852, 25.2651, 74.0830** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **33.3974, 66.5768, 11.8021**, and the grayscale version is **11.8563, 12.4737, 13.5839**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.5054, 13.3414, 39.1557** is the 20% darker color. If you saturate the color by 10%, you get **52.0852, 25.2652, 74.0805**, and if you desaturate by 10%, it is **52.7180, 26.0658, 75.7249**.

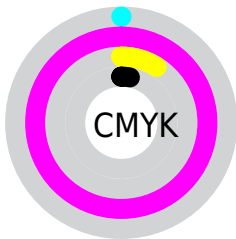
Distribution



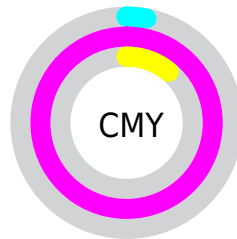
- Red (97%)
- Green (0%)
- Blue (89%)



- Red (97%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0852, 25.2651, 74.0830 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 52.0852, 25.2651, 74.0830 by changing the saturation by 10% instead.


 52.0852, 25.2651,
74.0830


 52.0852, 25.2651,
74.0830

385.0840,
279.1556, 493.9308


 37.2975, 16.2747,
54.3648

 92.4304, 52.0870,
126.7486

 25.6127, 9.7187,
38.4982


 118.7186, 70.6872,
160.5330


 16.6653, 5.2129,
26.0648


 149.5710, 93.2595,
199.8433

 10.0899, 2.3727,
16.6459

 185.3530,
120.1882, 245.0979

 5.5214, 0.8118,
9.8231

 226.4300,
151.8578, 296.7154

 2.5942, 0.0000,
5.1777

273.1672,

 0.9430, 0.0000,

188.6526, 355.1144

2.2914

325.9301,
230.9571, 420.7134

■ 0.0000, 0.0000,
0.7264

■ 0.0000, 0.0000,
0.0000

■ 52.0852, 25.2651,
74.0830

■ 52.0852, 25.2651,
74.0830

■ 52.0852, 25.2652,
74.0805

■ 52.7180, 26.0658,
75.7249

■ 53.7864, 27.7329,
77.5294

■ 55.4251, 30.5347,
79.5414

■ 57.7145, 34.6325,
81.7881

60.7225, 40.1614,
84.2918

64.5080, 47.2399,
87.0725

69.1243, 55.9739,
90.1479

74.6195, 66.4601,
93.5341

81.0383, 78.7877,
97.2461

Harmonies

Analogous

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



39.1298, 25.2651, 136.8094



52.0852, 25.2651, 74.0830



56.9114, 25.2651, 25.1686

Triad

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



52.0852, 25.2651, 74.0830



23.1818, 25.2651, 0.0000



8.8602, 25.2651, 82.4621

Complementary

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



52.0852, 25.2651, 74.0830



33.3974, 66.5768, 11.8021

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.



7.1177, 25.2651, 29.9910



52.0852, 25.2651, 74.0830



13.3987, 25.2651, 0.6621

Square

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



52.0852, 25.2651, 74.0830



37.1456, 25.2651, 0.4039



8.4342, 25.2651, 6.2051



14.4112, 25.2651, 143.9535

Rectangle

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



52.0852, 25.2651, 74.0830



53.8814, 25.2651, 8.9432



8.4342, 25.2651, 6.2051



7.9175, 25.2651, 62.1837

Sweetspot

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



52.0862, 25.2663, 74.0835



74.2802, 60.1082, 96.8968



17.0905, 6.8718, 88.4222



15.4269, 11.9700, 20.4327



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.



52.0862, 25.2663, 74.0835



55.9931, 27.1612, 79.6187



40.8040, 20.7535, 14.6723



17.1493, 16.7426, 20.5326



27.5722, 13.3723, 39.3171



2.4409, 1.1823, 3.5482

Inverse Universe

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



52.0862, 25.2663, 74.0835



55.9931, 27.1612, 79.6187



38.3036, 68.5392, 37.6373



17.1493, 16.7426, 20.5326



27.5722, 13.3723, 39.3171



2.4409, 1.1823, 3.5482

Previews

White Background



This preview shows how the XYZ color 52.0852, 25.2651, 74.0830 looks on a white background.

Color Contrast Check

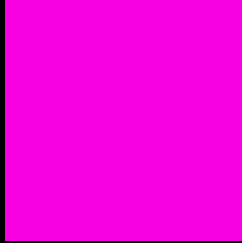
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.0852, 25.2651, 74.0830 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 52.0852, 25.2651, 74.0830

Background



This preview shows how black text looks on a background with the XYZ color 52.0852, 25.2651, 74.0830.



This preview shows how white text looks on a background with the XYZ color 52.0852, 25.2651,

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

52.0852, 25.2651, 74.0830

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.5657, 25.8140, 65.8698



Tritanopia

39.5244, 25.4453, 13.4179

Trichromacy



Original Color

52.0852, 25.2651, 74.0830



Protanomaly

30.1382, 18.5905, 87.5878



Deuteranomaly

29.5317, 18.9578, 67.7484



Tritanomaly

41.9422, 23.2300, 27.8644

Monochromacy



Original Color

52.0852, 25.2651, 74.0830



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.1586, 12.5144, 28.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0852, 25.2651, 74.0830 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(247, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 226)  
}
```

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(247, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 52.0852, 25.2651, 74.0830 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(247, 0, 226) }
```


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

```
.border{ border-color:rgb(247, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0852, 25.2651, 74.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 226) }
```

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

```
.background{ background-color: rgb(247, 0,  
226) }
```

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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