

Converting Colors

XYZ(52.7167, 25.8507, 62.3652)

Have a look what the booklet for
XYZ(52.7167, 25.8507, 62.3652)
contains.

XYZ(52.7486, 25.8634, 62.5336)	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(52.7486, 25.8634,
62.5336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00D1
RGB	255, 0, 209
RGB Percent	100%, 0%, 82%
CMY	0.0000, 0.9998, 0.1804
CMYK	0.00, 1.00, 0.18, 0.00
HSL	311°, 100%, 50%
HSV	311°, 100%, 100%
XYZ	52.7486, 25.8634, 62.5336
YIQ	100.0710, 84.8910, 119.0590

Conversions

Conversions Part 2

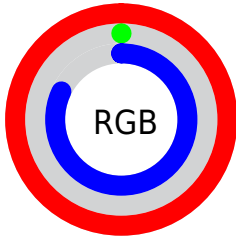
Format	Color
R_{YB}	255, 0, 209
Decimal	16711889
CIE _{Lab}	57.91, 92.33, -38.82
CIE _{LCh}	58, 100.155, 337.196
Yxy	25.8634, 0.3737, 0.1832
Android (android.graphics.Color)	4294901969 (0xFFFF00D1)
YUV	100.0710, 53.7020, 135.8727
Hunter-Lab	50.8561, 96.1445, -37.3049

Details

The XYZ color **52.7486, 25.8634, 62.5336** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.2548, 71.7180, 14.5223**, and the grayscale version is **11.9912, 12.6157, 13.7385**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.8251, 13.6706, 31.7440** is the 20% darker color. If you saturate the color by 10%, you get **52.7475, 25.8630, 62.5277**, and if you desaturate by 10%, it is **53.6863, 26.8138, 65.6977**.

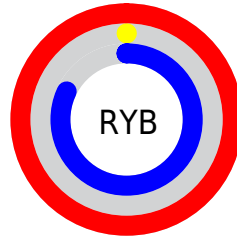
Distribution



Red (100%)

Green (0%)

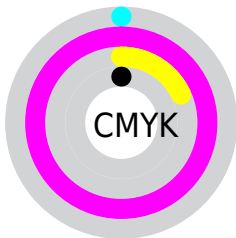
Blue (82%)



Red (100%)

Yellow (0%)

Blue (82%)

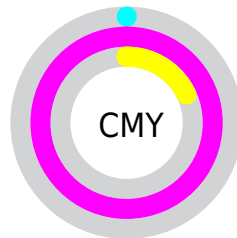


Cyan (0%)

Magenta (100%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7486, 25.8634, 62.5336 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 52.7486, 25.8634, 62.5336 by changing the saturation by 10% instead.


 52.7486, 25.8634,
62.5336

 52.7486, 25.8634,
62.5336


387.5965,
282.1109, 451.9361


 37.8288, 16.7215,
45.0254


 93.4020, 53.0545,
110.0754

 26.0264, 10.0361,
31.1344


 119.8664, 71.8725,
140.9462


 16.9762, 5.4229,
20.4419


 150.9096, 94.6846,
177.1082

 10.3127, 2.4975,
12.5294

 186.8971,
121.8752, 218.9800

 5.6706, 0.8754,
6.9784

 228.1942,
153.8287, 266.9801

 2.6846, 0.0000,
3.3703

275.1662,

 0.9893, 0.0000,

190.9296, 321.5272

1.2867

328.1785,
233.5622, 383.0397

■ 0.0000, 0.0000,
0.0509

■ 0.0000, 0.0000,
0.0000

■ 52.7486, 25.8634,
62.5336

■ 52.7486, 25.8634,
62.5336

■ 52.7475, 25.8630,
62.5277

■ 53.6863, 26.8138,
65.6977

■ 55.1075, 28.7048,
69.1046

■ 57.1554, 31.8224,
72.8029

■ 59.9175, 36.3414,
76.8224

■ 63.4671, 42.4083,
81.1882

■ 67.8683, 50.1510,
85.9222

■ 73.1786, 59.6843,
91.0444

■ 79.4504, 71.1127,
96.5727

■ 86.7319, 84.5326,
102.5239

Harmonies

Analogous

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



41.4319, 25.8634, 121.0835



52.7486, 25.8634, 62.5336



55.5066, 25.8634, 20.6354

Triad

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



52.7486, 25.8634, 62.5336



21.7910, 25.8634, 0.0331



10.3525, 25.8634, 90.3989

Complementary

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



52.7486, 25.8634, 62.5336



36.2548, 71.7180, 14.5223

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.



8.0084, 25.8634, 37.3241



52.7486, 25.8634, 62.5336



13.0610, 25.8634, 1.4721

Square

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



52.7486, 25.8634, 62.5336



34.7083, 25.8634, 0.5253



8.8050, 25.8634, 9.4685



16.6465, 25.8634, 144.4349

Rectangle

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



52.7486, 25.8634, 62.5336



51.5093, 25.8634, 7.4092



8.8050, 25.8634, 9.4685



9.1892, 25.8634, 70.7157

Sweetspot

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



52.7492, 25.8646, 62.5340



73.1667, 59.6628, 91.0334



19.0278, 7.7249, 95.0959



15.1572, 11.8621, 19.0123



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.



52.7492, 25.8646, 62.5340



52.7475, 25.8630, 62.5277



42.8817, 21.9176, 10.5720



18.6438, 18.2408, 22.0071



27.6127, 13.5344, 32.9405



2.7236, 1.3318, 3.3917

Inverse Universe

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



52.7492, 25.8646, 62.5340



52.7475, 25.8630, 62.5277



43.0180, 74.4233, 50.1367



18.6438, 18.2408, 22.0071



27.6127, 13.5344, 32.9405



2.7236, 1.3318, 3.3917

Previews

White Background



This preview shows how the XYZ color 52.7486, 25.8634, 62.5336 looks on a white background.

Color Contrast Check

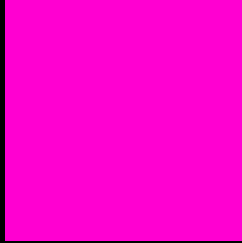
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.7486, 25.8634, 62.5336 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 52.7486, 25.8634, 62.5336

Background



This preview shows how black text looks on a background with the XYZ color 52.7486, 25.8634, 62.5336.



This preview shows how white text looks on a background with the XYZ color 52.7486, 25.8634,

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

52.7486, 25.8634, 62.5336

Protanopia

30.3039, 26.8168, 98.1867

Deuteranopia

27.0816, 26.5157, 55.9152



Tritanopia

42.3938, 26.1352, 11.8270

Trichromacy



Original Color

52.7486, 25.8634, 62.5336



Protanomaly

30.3424, 18.9187, 82.9414



Deuteranomaly

30.6099, 19.7425, 57.4557



Tritanomaly

44.3916, 24.2344, 23.8107

Monochromacy



Original Color

52.7486, 25.8634, 62.5336



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.2773, 12.6282, 26.1797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7486, 25.8634, 62.5336 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(255, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 209)  
}
```

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(255, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 209) }
```

Border

The CSS property to change the border of an element to XYZ 52.7486, 25.8634, 62.5336 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(255, 0, 209) }
```


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

```
.border{ border-color:rgb(255, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7486, 25.8634, 62.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 209) }
```

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

```
.background{ background-color: rgb(255, 0,  
209) }
```

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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