

Converting Colors

XYZ(51.8383, 24.9227, 79.4673)

Have a look what the booklet for
XYZ(51.8383, 24.9227, 79.4673)
contains.

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Color

**XYZ(52.0162, 25.1163,
79.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	F400E9
RGB	244, 0, 233
RGB Percent	96%, 0%, 91%
CMY	0.0431, 0.9998, 0.0863
CMYK	0.00, 1.00, 0.05, 0.04
HSL	303°, 100%, 48%
HSV	303°, 100%, 96%
XYZ	52.0162, 25.1163, 79.1972
YIQ	99.5180, 70.6310, 124.1910

Conversions

Conversions Part 2

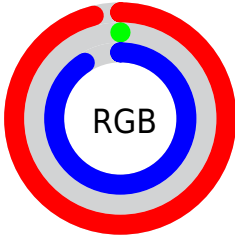
Format	Color
RYB	244, 0, 233
Decimal	15991017
CIELab	57.19, 93.51, -53.68
CIElCh	57, 107.824, 330.144
Yxy	25.1163, 0.3327, 0.1607
Android (android.graphics.Color)	4294181097 (0xFFFF400E9)
YUV	99.5180, 65.8066, 126.7107
Hunter-Lab	50.1162, 97.5641, -58.6130

Details

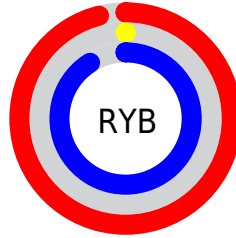
The XYZ color **52.0162, 25.1163, 79.1972** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.4123, 64.7267, 11.1032**, and the grayscale version is **11.8235, 12.4392, 13.5463**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.3649, 13.2019, 42.1802** is the 20% darker color. If you saturate the color by 10%, you get **52.0164, 25.1164, 79.1960**, and if you desaturate by 10%, it is **52.5103, 25.8514, 80.1400**.

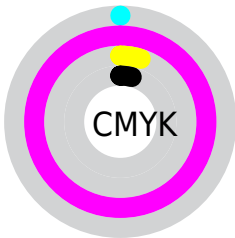
Distribution



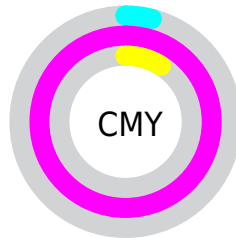
- Red (96%)
- Green (0%)
- Blue (91%)



- Red (96%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0162, 25.1163, 79.1972 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 52.0162, 25.1163, 79.1972 by changing the saturation by 10% instead.

 52.0162, 25.1163,
79.1972


 52.0162, 25.1163,
79.1972

384.8221,
278.4166, 511.8585


 37.2423, 16.1637,
58.5357

 92.3292, 51.8458,
134.0376


 25.5697, 9.6401,
41.8219

 118.5991, 70.3916,
169.0536


 16.6330, 5.1610,
28.6373


 149.4316, 92.9038,
209.6915

 10.0668, 2.3420,
18.5634

 185.1922,
119.7670, 256.3698

 5.5059, 0.7958,
11.1816

 226.2461,
151.3655, 309.5072

 2.5848, 0.0000,
6.0734

272.9589,

 0.9382, 0.0000,

188.0836, 369.5220

2.8203

325.6957,
230.3059, 436.8329

■ 0.0000, 0.0000,
1.0036

■ 0.0000, 0.0000,
0.0000

■ 52.0162, 25.1163,
79.1972

■ 52.0162, 25.1163,
79.1972

■ 52.0164, 25.1164,
79.1960

■ 52.5103, 25.8514,
80.1400

■ 53.4250, 27.4268,
81.2277

■ 54.8915, 30.1043,
82.5042

■ 56.9880, 34.0403,
83.9956

■ 59.7802, 39.3660,
85.7237

■ 63.3254, 46.1962,
87.7077

■ 67.6751, 54.6338,
89.9647

■ 72.8762, 64.7725,
92.5105

■ 78.9719, 76.6990,
95.3594

Harmonies

Analogous

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



38.3949, 25.1163, 143.8001



52.0162, 25.1163, 79.1972



57.6697, 25.1163, 27.1720

Triad

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



52.0162, 25.1163, 79.1972



23.8110, 25.1163, 0.0000



8.3446, 25.1163, 79.8173

Complementary

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



52.0162, 25.1163, 79.1972



32.4123, 64.7267, 11.1032

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.



6.8075, 25.1163, 27.5235



52.0162, 25.1163, 79.1972



13.5693, 25.1163, 0.3746

Square

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



52.0162, 25.1163, 79.1972



38.2492, 25.1163, 0.3557



8.3142, 25.1163, 5.1886



13.6423, 25.1163, 144.3322

Rectangle

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



52.0162, 25.1163, 79.1972



55.0160, 25.1163, 9.6128



8.3142, 25.1163, 5.1886



7.4770, 25.1163, 59.2900

Sweetspot

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



52.0172, 25.1175, 79.1977



74.7596, 60.2999, 99.4211



16.4322, 6.5855, 85.9940



15.5435, 12.0166, 21.0467



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.



52.0172, 25.1175, 79.1977



57.4935, 27.7614, 87.5196



40.3402, 20.4467, 17.7075



17.1795, 16.7546, 20.6915



28.2975, 13.6625, 43.1368



2.4969, 1.2047, 3.8430

Inverse Universe

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



52.0172, 25.1175, 79.1977



57.4935, 27.7614, 87.5196



36.3913, 66.3183, 32.0563



17.1795, 16.7546, 20.6915



28.2975, 13.6625, 43.1368



2.4969, 1.2047, 3.8430

Previews

White Background



This preview shows how the XYZ color 52.0162, 25.1163, 79.1972 looks on a white background.

Color Contrast Check

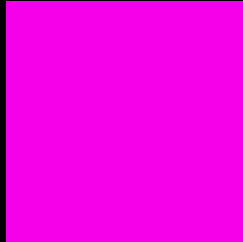
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.0162, 25.1163, 79.1972 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 52.0162, 25.1163, 79.1972

Background



This preview shows how black text looks on a background with the XYZ color 52.0162, 25.1163, 79.1972.



This preview shows how white text looks on a background with the XYZ color 52.0162, 25.1163,

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

52.0162, 25.1163, 79.1972

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.4908, 25.6711, 70.5766



Tritanopia

38.6179, 25.3404, 14.1650

Trichromacy



Original Color

52.0162, 25.1163, 79.1972



Protanomaly

30.2696, 18.6052, 89.9915



Deuteranomaly

29.3387, 18.7508, 72.5940



Tritanomaly

41.0132, 22.8654, 29.4460

Monochromacy



Original Color

52.0162, 25.1163, 79.1972



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.1276, 12.4803, 29.3651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0162, 25.1163, 79.1972 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(244, 0, 233)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 233)  
}
```

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(244, 0, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 233) }
```

Border

The CSS property to change the border of an element to XYZ 52.0162, 25.1163, 79.1972 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(244, 0, 233) }
```


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

```
.border{ border-color:rgb(244, 0, 233) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 233);  
box-shadow:4px 4px 4px 4px rgb(244, 0,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0162, 25.1163, 79.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 233) }
```

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

```
.background{ background-color: rgb(244, 0,  
233) }
```

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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