

Converting Colors

XYZ(51.1956, 25.1346, 59.2192)

Have a look what the booklet for
XYZ(51.1956, 25.1346, 59.2192)
contains.

XYZ(51.0440, 25.0551, 59.2725)	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(51.0440, 25.0551,
59.2725)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00CC
RGB	252, 0, 204
RGB Percent	99%, 0%, 80%
CMY	0.0118, 0.9998, 0.2000
CMYK	0.00, 1.00, 0.19, 0.01
HSL	311°, 100%, 49%
HSV	311°, 100%, 99%
XYZ	51.0440, 25.0551, 59.2725
YIQ	98.6040, 84.7080, 116.8680

Conversions

Conversions Part 2

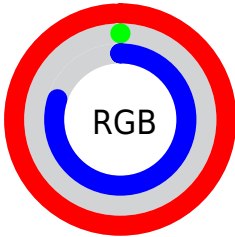
Format	Color
RYB	252, 0, 204
Decimal	16515276
CIELab	57.13, 91.21, -37.22
CIELCh	57, 98.507, 337.801
Yxy	25.0551, 0.3771, 0.1851
Android (android.graphics.Color)	4294705356 (0xFFFC00CC)
YUV	98.6040, 51.9602, 134.5283
Hunter-Lab	50.0551, 94.4302, -35.1695

Details

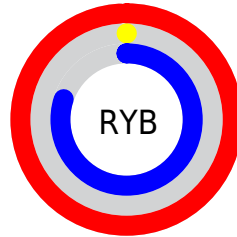
The XYZ color **51.0440, 25.0551, 59.2725** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.3459, 69.8355, 14.4189**, and the grayscale version is **11.6272, 12.2327, 13.3214**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.6600, 13.1171, 29.5605** is the 20% darker color. If you saturate the color by 10%, you get **51.0431, 25.0547, 59.2663**, and if you desaturate by 10%, it is **51.9823, 25.9954, 62.4706**.

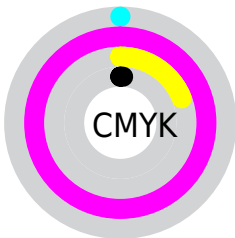
Distribution



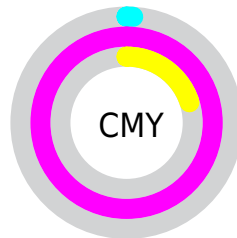
- Red (99%)
- Green (0%)
- Blue (80%)



- Red (99%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0440, 25.0551, 59.2725 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 51.0440, 25.0551, 59.2725 by changing the saturation by 10% instead.


 51.0440, 25.0551,
59.2725


 51.0440, 25.0551,
59.2725

381.1196,
278.1122, 439.6410


 36.4648, 16.1181,
42.4111


 90.9024, 51.7466,
105.3066


 24.9652, 9.6078,
29.0953


 116.9123, 70.2699,
135.3164

 16.1797, 5.1397,
18.9067


 147.4632, 92.7574,
170.5460

 9.7431, 2.3295,
11.4268

 182.9205,
119.5936, 211.4141

 5.2899, 0.7892,
6.2369

 223.6493,
151.1627, 258.3390

 2.4548, 0.0000,
2.9186

270.0152,

 0.8725, 0.0000,

187.8493, 311.7395

1.0532

322.3835,
230.0377, 372.0339

■ 0.0000, 0.0000,
0.0000

■ 51.0440, 25.0551,
59.2725

■ 51.0440, 25.0551,
59.2725

■ 51.0431, 25.0547,
59.2663

■ 51.9823, 25.9954,
62.4706

■ 53.3922, 27.8506,
65.9141

■ 55.4136, 30.9000,
69.6505

■ 58.1316, 35.3134,
73.7091

■ 61.6173, 41.2329,
78.1141

■ 65.9331, 48.7829,
82.8871

■ 71.1348, 58.0748,
88.0475

■ 77.2732, 69.2101,
93.6129

■ 84.3954, 82.2826,
99.5997

Harmonies

Analogous

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



40.2871, 25.0551, 115.4110



51.0440, 25.0551, 59.2725



53.4897, 25.0551, 19.4896

Triad

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



51.0440, 25.0551, 59.2725



20.9104, 25.0551, 0.0631



10.1705, 25.0551, 88.2348

Complementary

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



51.0440, 25.0551, 59.2725



35.3459, 69.8355, 14.4189

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.



7.8361, 25.0551, 36.9127



51.0440, 25.0551, 59.2725



12.5835, 25.0551, 1.5288

Square

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



51.0440, 25.0551, 59.2725



33.2849, 25.0551, 0.5099



8.5468, 25.0551, 9.5517



16.3354, 25.0551, 139.6340

Rectangle

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



51.0440, 25.0551, 59.2725



49.5262, 25.0551, 7.0053



8.5468, 25.0551, 9.5517



9.0211, 25.0551, 69.2903

Sweetspot

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



51.0449, 25.0564, 59.2729



73.0515, 59.6167, 90.4267



18.7091, 7.6160, 92.5801



15.1294, 11.8510, 18.8658



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.



51.0449, 25.0564, 59.2729



52.4314, 25.7366, 60.8632



41.5877, 21.2735, 9.4722



17.8429, 17.4645, 21.0285



26.6410, 13.0721, 31.1475



2.5027, 1.2248, 3.0704

Inverse Universe

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



51.0449, 25.0564, 59.2729



52.4314, 25.7366, 60.8632



42.2786, 72.6086, 50.9259



17.8429, 17.4645, 21.0285



26.6410, 13.0721, 31.1475



2.5027, 1.2248, 3.0704

Previews

White Background



This preview shows how the XYZ color 51.0440, 25.0551, 59.2725 looks on a white background.

Color Contrast Check

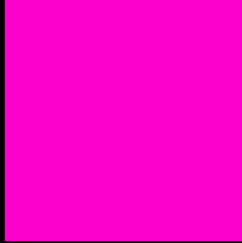
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.0440, 25.0551, 59.2725 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 51.0440, 25.0551, 59.2725

Background



This preview shows how black text looks on a background with the XYZ color 51.0440, 25.0551, 59.2725.



This preview shows how white text looks on a background with the XYZ color 51.0440, 25.0551,

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

51.0440, 25.0551, 59.2725

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.2348, 25.7179, 52.8715



Tritanopia

41.1263, 25.2704, 11.3044

Trichromacy



Original Color

51.0440, 25.0551, 59.2725



Protanomaly

29.1156, 18.2007, 81.3354



Deuteranomaly

29.7342, 19.2369, 54.3705



Tritanomaly

43.0861, 23.5190, 22.6908

Monochromacy



Original Color

51.0440, 25.0551, 59.2725



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8104, 12.3297, 25.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0440, 25.0551, 59.2725 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(252, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 204)  
}
```

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(252, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.0440, 25.0551, 59.2725 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(252, 0, 204) }
```


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

```
.border{ border-color:rgb(252, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0440, 25.0551, 59.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 204) }
```

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

```
.background{ background-color: rgb(252, 0,  
204) }
```

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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