

Converting Colors

XYZ(51.1757, 29.2722, 62.6031)

Have a look what the booklet for
XYZ(51.1757, 29.2722, 62.6031)
contains.

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Color

**XYZ(51.2160, 29.3461,
62.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	F350D0
RGB	243, 80, 208
RGB Percent	95%, 31%, 82%
CMY	0.0471, 0.6862, 0.1843
CMYK	0.00, 0.67, 0.14, 0.05
HSL	313°, 87%, 63%
HSV	313°, 67%, 95%
XYZ	51.2160, 29.3461, 62.6395
YIQ	143.3290, 56.0600, 74.3640

Conversions

Conversions Part 2

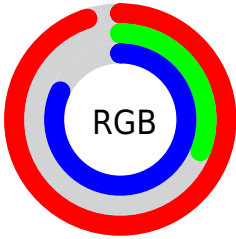
Format	Color
R _{YB}	243, 80, 208
Decimal	15945936
CIE _{Lab}	61.09, 74.61, -33.43
CIE _{LCh}	61, 81.755, 335.862
Yxy	29.3461, 0.3576, 0.2049
Android (android.graphics.Color)	4294136016 (0xFFFF350D0)
YUV	143.3290, 31.8828, 87.4115
Hunter-Lab	54.1720, 73.9586, -30.6370

Details

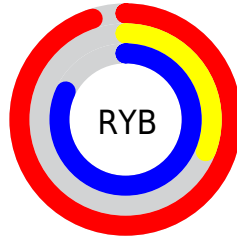
The XYZ color **51.2160, 29.3461, 62.6395** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **38.4549, 67.0456, 27.1367**, and the grayscale version is **26.1023, 27.4616, 29.9057**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **25.2782, 12.3672, 31.1918** is the 20% darker color. If you saturate the color by 10%, you get **49.1161, 26.1565, 58.8241**, and if you desaturate by 10%, it is **53.9819, 33.8330, 66.7817**.

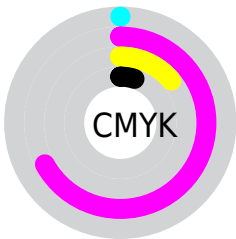
Distribution



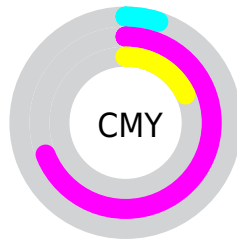
- Red (95%)
- Green (31%)
- Blue (82%)



- Red (95%)
- Yellow (31%)
- Blue (82%)



- Cyan (0%)
- Magenta (67%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (69%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2160, 29.3461, 62.6395 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 51.2160, 29.3461, 62.6395 by changing the saturation by 10% instead.


 51.2160, 29.3461,
62.6395


 51.2160, 29.3461,
62.6395


381.7763,
298.8445, 452.3319


 36.6023, 19.3428,
45.1105


 91.1551, 58.6265,
110.2298


 25.0720, 11.9182,
31.2009


 117.2111, 78.6724,
141.1282

 16.2597, 6.6880,
20.4921


 147.8120,
102.8347, 177.3201

 9.8001, 3.2678,
12.5657

 183.3231,
131.4976, 219.2241

 5.3279, 1.2731,
7.0030

224.1097,
165.0457, 267.2588

 2.4776, 0.1202,
3.3855

270.5372,

 0.8840, 0.0000,

203.8632, 321.8426

1.2947

322.9709,
248.3347, 383.3941

■ 0.0000, 0.0000,
0.0574

■ 0.0000, 0.0000,
0.0000

■ 51.2160, 29.3461,
62.6395

■ 51.2160, 29.3461,
62.6395

■ 49.1161, 26.1565,
58.8241

■ 53.9819, 33.8330,
66.7817

■ 47.6060, 24.1134,
55.3082


■ 57.4734, 39.7374,
71.2706


■ 46.5925, 23.0303,
52.0601


■ 61.7466, 47.1706,
76.1263

■ 46.3466, 22.8085,
51.1460


■ 66.8511, 56.2318,
81.3662

 72.8324, 67.0117,
87.0064

 79.7327, 79.5942,
93.0619

 87.5914, 94.0578,
99.5468

 89.9379, 97.4610,
104.3050

 90.7666, 97.7925,
108.6689

Harmonies

Analogous

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



41.7767, 29.3461, 107.5212



51.2160, 29.3461, 62.6395



53.7960, 29.3461, 26.3006

Triad

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



51.2160, 29.3461, 62.6395



25.8420, 29.3461, 1.8677



14.3128, 29.3461, 80.4413

Complementary

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



51.2160, 29.3461, 62.6395



38.4549, 67.0456, 27.1367

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.



12.0153, 29.3461, 38.3620



51.2160, 29.3461, 62.6395



17.4858, 29.3461, 4.0298

Square

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



51.2160, 29.3461, 62.6395



37.1876, 29.3461, 2.6970



13.0068, 29.3461, 13.3971



20.2919, 29.3461, 121.6206

Rectangle

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



51.2160, 29.3461, 62.6395



50.8242, 29.3461, 12.5159



13.0068, 29.3461, 13.3971



13.1649, 29.3461, 65.1934

Sweetspot

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



51.2170, 29.3475, 62.6401



79.1694, 70.9803, 95.1544



25.8067, 15.6944, 86.4639



16.5394, 14.4602, 19.9857



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.



51.2170, 29.3475, 62.6401



54.2060, 28.3405, 64.3687



43.7880, 26.3759, 23.5195



17.0523, 16.7038, 20.0221



25.4882, 12.5387, 28.3431



2.2772, 1.1168, 2.6861

Inverse Universe

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



51.2170, 29.3475, 62.6401



54.2060, 28.3405, 64.3687



45.1091, 69.7073, 62.1771



17.0523, 16.7038, 20.0221



25.4882, 12.5387, 28.3431



2.2772, 1.1168, 2.6861

Previews

White Background



This preview shows how the XYZ color 51.2160, 29.3461, 62.6395 looks on a white background.

Color Contrast Check

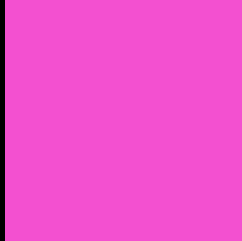
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2160, 29.3461, 62.6395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

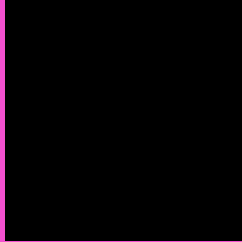
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.2160, 29.3461, 62.6395

Background



This preview shows how black text looks on a background with the XYZ color 51.2160, 29.3461, 62.6395.



This preview shows how white text looks on a background with the XYZ color 51.2160, 29.3461,

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

51.2160, 29.3461, 62.6395

Protanopia

33.1688, 29.8192, 98.6152

Deuteranopia

30.3034, 29.7033, 57.5622



Tritanopia

42.2266, 29.2227, 19.3345

Trichromacy



Original Color

51.2160, 29.3461, 62.6395



Protanomaly

35.0325, 26.4271, 84.1434



Deuteranomaly

35.0758, 27.1820, 59.2751



Tritanomaly

44.5450, 28.6920, 31.2073

Monochromacy



Original Color

51.2160, 29.3461, 62.6395



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

32.2819, 25.8067, 39.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2160, 29.3461, 62.6395 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(243, 80, 208)` looks like.

```
.text, #text, p{  
    color:rgb(243, 80, 208)  
}
```

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(243, 80, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 80, 208) }
```

Border

The CSS property to change the border of an element to XYZ 51.2160, 29.3461, 62.6395 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(243, 80, 208) }
```


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

```
.border{ border-color:rgb(243, 80, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 80, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 80, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 80, 208);  
box-shadow:4px 4px 4px 4px rgb(243, 80,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2160, 29.3461, 62.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 80, 208) }
```

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

```
.background{ background-color: rgb(243, 80,  
208) }
```

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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