

Converting Colors

XYZ(51.2011, 25.2650, 63.1508)

Have a look what the booklet for
XYZ(51.2011, 25.2650, 63.1508)
contains.

XYZ(51.2011, 25.2650, 63.1508)	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(51.2011, 25.2650,
63.1508)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0DD2
RGB	250, 13, 210
RGB Percent	98%, 5%, 82%
CMY	0.0196, 0.9488, 0.1765
CMYK	0.00, 0.95, 0.16, 0.02
HSL	310°, 96%, 52%
HSV	310°, 95%, 98%
XYZ	51.2011, 25.2650, 63.1508
YIQ	106.3210, 78.0150, 111.5110

Conversions

Conversions Part 2

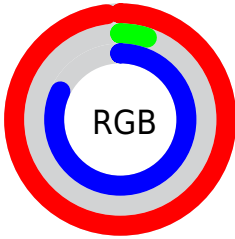
Format	Color
R_{YB}	250, 13, 210
Decimal	16387538
CIE _{Lab}	57.33, 90.74, -40.35
CIE _{LCh}	57, 99.313, 336.025
Yxy	25.2650, 0.3667, 0.1810
Android (android.graphics.Color)	4294577618 (0xFFFA0DD2)
YUV	106.3210, 51.1137, 126.0065
Hunter-Lab	50.2643, 93.8643, -39.3054

Details

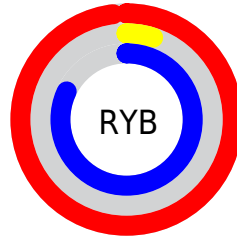
The XYZ color **51.2011, 25.2650, 63.1508** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.9961, 68.7150, 14.7925**, and the grayscale version is **13.6439, 14.3544, 15.6320**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **26.6554, 13.0579, 32.1259** is the 20% darker color. If you saturate the color by 10%, you get **50.7849, 24.8683, 61.6678**, and if you desaturate by 10%, it is **52.2850, 26.5796, 66.1408**.

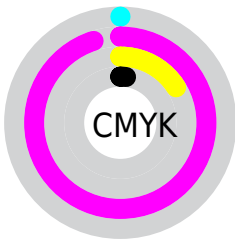
Distribution



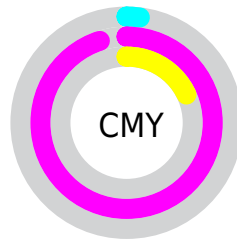
- Red (98%)
- Green (5%)
- Blue (82%)



- Red (98%)
- Yellow (5%)
- Blue (82%)



- Cyan (0%)
- Magenta (95%)
- Yellow (16%)
- Black (2%)



- Cyan (2%)
- Magenta (95%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2011, 25.2650, 63.1508 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 51.2011, 25.2650, 63.1508 by changing the saturation by 10% instead.

 51.2011, 25.2650,
63.1508


 51.2011, 25.2650,
63.1508


381.7194,
279.1551, 454.2396

 36.5904, 16.2746,
45.5214


 91.1332, 52.0868,
110.9747


 25.0627, 9.7187,
31.5224


 117.1853, 70.6870,
142.0063


 16.2528, 5.2128,
20.7352


 147.7818, 93.2592,
178.3425

 9.7952, 2.3727,
12.7412

 183.2882,
120.1879, 220.4017

 5.3246, 0.8118,
7.1220

 224.0698,
151.8575, 268.6024

 2.4756, 0.0000,
3.4589

270.4920,

 0.8830, 0.0000,

188.6523, 323.3633

1.3335

322.9201,
230.9567, 385.1028

■ 0.0000, 0.0000,
0.0890

■ 0.0000, 0.0000,
0.0000

■ 51.2011, 25.2650,
63.1508

■ 51.2011, 25.2650,
63.1508

■ 50.7849, 24.8683,
61.6678

■ 52.2850, 26.5796,
66.1408

■ 53.9173, 28.9693,
69.3824

■ 56.1917, 32.6205,
72.9075

■ 59.1836, 37.6841,
76.7417

62.9578, 44.2895,
80.9071

67.5719, 52.5516,
85.4234

73.0779, 62.5743,
90.3083

79.5235, 74.4530,
95.5784

86.9531, 88.2763,
101.2489

Harmonies

Analogous

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



39.9375, 25.2650, 120.2935



51.2011, 25.2650, 63.1508



54.2890, 25.2650, 21.2505

Triad

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



51.2011, 25.2650, 63.1508



21.7152, 25.2650, 0.0060



9.9653, 25.2650, 85.9603

Complementary

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



51.2011, 25.2650, 63.1508



34.9961, 68.7150, 14.7925

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.



7.8047, 25.2650, 34.8901



51.2011, 25.2650, 63.1508



13.0097, 25.2650, 1.3348

Square

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



51.2011, 25.2650, 63.1508



34.4350, 25.2650, 0.5667



8.7010, 25.2650, 8.6816



15.9406, 25.2650, 139.4218

Rectangle

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



51.2011, 25.2650, 63.1508



50.6361, 25.2650, 7.7431



8.7010, 25.2650, 8.6816



8.8762, 25.2650, 66.8806

Sweetspot

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



51.2020, 25.2663, 63.1513



74.4672, 61.8429, 92.7641



18.8440, 7.9356, 90.9816



15.4103, 12.2750, 19.3844



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.



51.2020, 25.2663, 63.1513



53.1178, 26.0111, 64.4777



41.5022, 21.3864, 12.0728



17.8598, 17.4713, 21.1176



26.9845, 13.2095, 32.9567



2.5315, 1.2363, 3.2220

Inverse Universe

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



51.2020, 25.2663, 63.1513



53.1178, 26.0111, 64.4777



41.7046, 71.3984, 50.1191



17.8598, 17.4713, 21.1176



26.9845, 13.2095, 32.9567



2.5315, 1.2363, 3.2220

Previews

White Background



This preview shows how the XYZ color 51.2011, 25.2650, 63.1508 looks on a white background.

Color Contrast Check

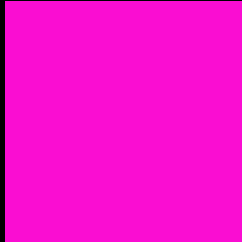
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2011, 25.2650, 63.1508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

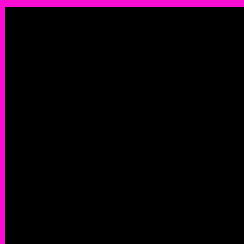
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.2011, 25.2650, 63.1508

Background



This preview shows how black text looks on a background with the XYZ color 51.2011, 25.2650, 63.1508.



This preview shows how white text looks on a background with the XYZ color 51.2011, 25.2650,

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

51.2011, 25.2650, 63.1508

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.2262, 25.6355, 56.3892



Tritanopia

40.4513, 25.2418, 11.9727

Trichromacy



Original Color

51.2011, 25.2650, 63.1508



Protanomaly

29.9685, 19.2031, 83.7884



Deuteranomaly

30.0049, 19.9179, 58.1402



Tritanomaly

42.6401, 23.7467, 24.1660

Monochromacy



Original Color

51.2011, 25.2650, 63.1508



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

21.4520, 13.9174, 27.9412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2011, 25.2650, 63.1508 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(250, 13, 210)` looks like.

```
.text, #text, p{  
    color:rgb(250, 13, 210)  
}
```

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(250, 13, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 13, 210) }
```

Border

The CSS property to change the border of an element to XYZ 51.2011, 25.2650, 63.1508 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(250, 13, 210) }
```


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

```
.border{ border-color:rgb(250, 13, 210) }
```

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

Here you see how a box with a 4 pixel rgb(250, 13, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 13, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 13, 210);  
box-shadow:4px 4px 4px 4px rgb(250, 13,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2011, 25.2650, 63.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 13, 210) }
```

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

```
.background{ background-color: rgb(250, 13,  
210) }
```

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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