

Converting Colors

XYZ(51.9976, 40.1052, 58.6906)

Have a look what the booklet for
XYZ(51.9976, 40.1052, 58.6906)
contains.

XYZ(52.0104, 40.2161, 58.4473)	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(52.0104, 40.2161,
58.4473)**

Conversions

Conversions Part 1

Format	Color
Hex	E48FC6
RGB	228, 143, 198
RGB Percent	89%, 56%, 78%
CMY	0.1059, 0.4392, 0.2235
CMYK	0.00, 0.37, 0.13, 0.11
HSL	321°, 61%, 73%
HSV	321°, 37%, 89%
XYZ	52.0104, 40.2161, 58.4473
YIQ	174.6850, 33.0050, 35.1250

Conversions

Conversions Part 2

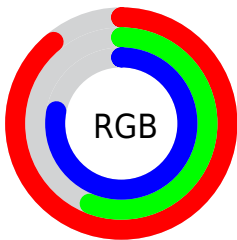
Format	Color
R _Y B	228, 143, 198
Decimal	14979014
CIE Lab	69.62, 39.90, -14.92
CIE LCh	70, 42.597, 339.503
Yxy	40.2161, 0.3452, 0.2669
Android (android.graphics.Color)	4293169094 (0xFFE48FC6)
YUV	174.6850, 11.4943, 46.7573
Hunter-Lab	63.4162, 35.4175, -10.2531

Details

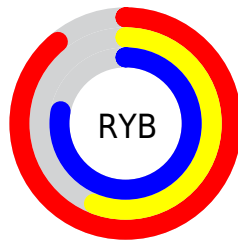
The XYZ color **52.0104, 40.2161, 58.4473** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.6157, 64.3448, 49.5009**, and the grayscale version is **40.5165, 42.6265, 46.4202**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **25.5697, 18.1537, 28.5419** is the 20% darker color. If you saturate the color by 10%, you get **48.0255, 33.6922, 52.6605**, and if you desaturate by 10%, it is **56.7425, 48.1545, 64.7274**.

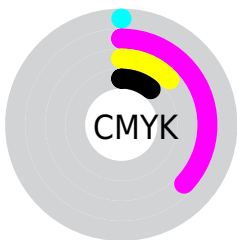
Distribution



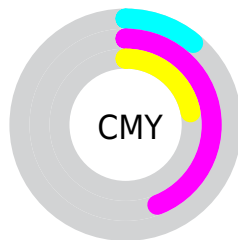
- Red (89%)
- Green (56%)
- Blue (78%)



- Red (89%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (37%)
- Yellow (13%)
- Black (11%)





- Cyan (11%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0104, 40.2161, 58.4473 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 52.0104, 40.2161, 58.4473 by changing the saturation by 10% instead.


 52.0104, 40.2161,
58.4473


 52.0104, 40.2161,
58.4473


384.8001,
347.0336, 436.4953

 37.2377, 27.7071,
41.7513

 92.3207, 75.4925,
104.0951

 25.5661, 18.1050,
28.5825

 118.5890, 99.0286,
133.8841

 16.6303, 11.0254,
18.5223


149.4199,
127.0092, 168.8743

 10.0649, 6.0839,
11.1523

185.1786,
159.8187, 209.4845

 5.5046, 2.8962,
6.0539

226.2307,
197.8415, 256.1332

 2.5840, 1.0778,
2.8086

272.9414,

 0.9378, 0.0000,

241.4620, 309.2389

0.9977

325.6760,
291.0646, 369.2201

■ 0.0000, 0.0000,
0.0000

■ 52.0104, 40.2161,
58.4473

■ 52.0104, 40.2161,
58.4473

■ 48.0255, 33.6922,
52.6605

■ 56.7425, 48.1545,
64.7274

■ 44.7412, 28.4921,
47.3463

■ 62.2579, 57.5798,
71.5152

■ 42.1107, 24.5234,
42.4860

■ 68.5944, 68.5662,
78.8274

■ 40.0801, 21.6790,
38.0574

■ 75.7864, 81.1810,
86.6787

■ 38.5859, 19.8336,
34.0355

■ 83.2229, 94.2012,
94.8691

■ 37.5447, 18.8217,
30.3884

■ 84.4337, 94.6855,
101.2452

■ 37.3030, 18.6172,
29.4479

■ 85.6981, 95.1913,
107.9032

■ 85.8052, 95.2341,
108.4673

Harmonies

Analogous

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



47.2769, 40.2161, 80.0307



52.0104, 40.2161, 58.4473



52.8204, 40.2161, 37.8235

Triad

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



52.0104, 40.2161, 58.4473



36.0803, 40.2161, 16.0335



28.8944, 40.2161, 72.5977

Complementary

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



52.0104, 40.2161, 58.4473



46.6157, 64.3448, 49.5009

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.



26.6000, 40.2161, 50.3498



52.0104, 40.2161, 58.4473



30.4078, 40.2161, 20.5696

Square

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



52.0104, 40.2161, 58.4473



43.0484, 40.2161, 17.0147



27.1187, 40.2161, 31.8117



33.7746, 40.2161, 89.7553

Rectangle

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



52.0104, 40.2161, 58.4473



50.9392, 40.2161, 27.6481



27.1187, 40.2161, 31.8117



27.8234, 40.2161, 65.2343

Sweetspot

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



52.0116, 40.2180, 58.4481



85.1920, 82.7695, 97.9518



41.0062, 34.1043, 77.8209



17.9945, 17.2995, 20.6895



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.



52.0116, 40.2180, 58.4481



62.8559, 44.9698, 69.3193



47.7985, 38.5327, 36.2620



14.7678, 14.5243, 16.9775



21.5982, 10.7735, 17.3110



1.6397, 0.8136, 1.5094

Inverse Universe

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



52.0116, 40.2180, 58.4481



62.8559, 44.9698, 69.3193



51.3704, 66.2467, 74.5390



14.7678, 14.5243, 16.9775



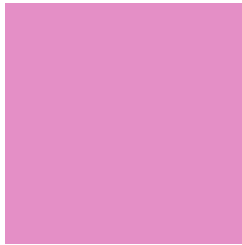
21.5982, 10.7735, 17.3110



1.6397, 0.8136, 1.5094

Previews

White Background



This preview shows how the XYZ color 52.0104, 40.2161, 58.4473 looks on a white background.

Color Contrast Check

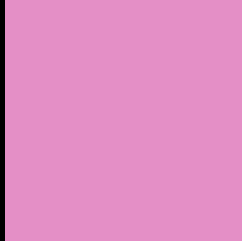
Large Text (above 18pt) WCAG AA × Fail

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 52.0104, 40.2161, 58.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

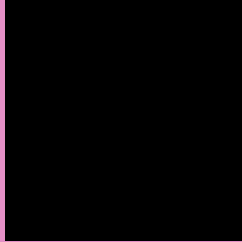
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0104, 40.2161, 58.4473

Background



This preview shows how black text looks on a background with the XYZ color 52.0104, 40.2161, 58.4473.



This preview shows how white text looks on a background with the XYZ color 52.0104, 40.2161,

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

52.0104, 40.2161, 58.4473

Protanopia

40.8807, 40.7047, 70.6679

Deuteranopia

41.2783, 40.3976, 56.6608



Tritanopia

48.0798, 40.2332, 38.9499

Trichromacy



Original Color

52.0104, 40.2161, 58.4473



Protanomaly

43.8466, 39.9354, 65.7189



Deuteranomaly

44.5829, 39.9960, 57.0000



Tritanomaly

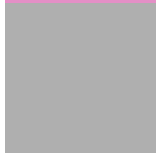
49.1250, 39.9310, 45.1627

Monochromacy



Original Color

52.0104, 40.2161, 58.4473



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.8926, 41.0826, 50.4161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0104, 40.2161, 58.4473 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(228, 143, 198)` looks like.

```
.text, #text, p{  
    color:rgb(228, 143, 198)  
}
```

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(228, 143, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 143, 198) }
```

Border

The CSS property to change the border of an element to XYZ 52.0104, 40.2161, 58.4473 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(228, 143, 198) }
```


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

```
.border{ border-color:rgb(228, 143, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 143, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 143, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 143, 198);  
box-shadow:4px 4px 4px 4px rgb(228, 143,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0104, 40.2161, 58.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 143, 198) }
```

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

```
.background{ background-color: rgb(228,  
143, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor