

Converting Colors

XYZ(61.5945, 40.1193, 76.0748)

Have a look what the booklet for
XYZ(61.5945, 40.1193, 76.0748)
contains.

XYZ(61.5471, 40.1292, 75.7360)	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(61.5471, 40.1292,
75.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78E1
RGB	255, 120, 225
RGB Percent	100%, 47%, 88%
CMY	0.0000, 0.5294, 0.1176
CMYK	0.00, 0.53, 0.12, 0.00
HSL	313°, 100%, 74%
HSV	313°, 53%, 100%
XYZ	61.5471, 40.1292, 75.7360
YIQ	172.3350, 46.7550, 61.2750

Conversions

Conversions Part 2

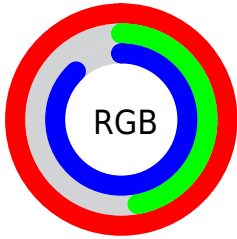
Format	Color
R_{YB}	255, 120, 225
Decimal	16742625
CIE _{Lab}	69.56, 63.77, -29.69
CIE _{LCh}	70, 70.345, 335.039
Yxy	40.1292, 0.3469, 0.2262
Android (android.graphics.Color)	4294932705 (0xFFFF78E1)
YUV	172.3350, 25.9638, 72.4972
Hunter-Lab	63.3476, 62.5682, -26.5415

Details

The XYZ color **61.5471, 40.1292, 75.7360** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.0122, 77.7158, 41.2742**, and the grayscale version is **39.2396, 41.2831, 44.9573**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **31.7039, 18.1553, 39.3695** is the 20% darker color. If you saturate the color by 10%, you get **58.1181, 34.4879, 70.8422**, and if you desaturate by 10%, it is **65.8199, 47.4168, 81.0386**.

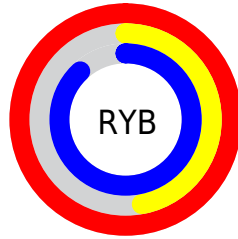
Distribution



Red (100%)

Green (47%)

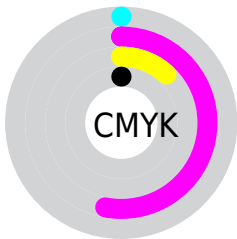
Blue (88%)



Red (100%)

Yellow (47%)

Blue (88%)

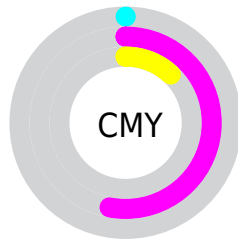


Cyan (0%)

Magenta (53%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5471, 40.1292, 75.7360 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 61.5471, 40.1292, 75.7360 by changing the saturation by 10% instead.

61.5471, 40.1292,
75.7360

61.5471, 40.1292,
75.7360

420.0211,
346.6678, 499.7663

44.9211, 27.6393,
55.7107

106.1643, 75.3602,
129.1103

31.5963, 18.0539,
39.5686

134.8862, 98.8701,
163.2964

21.2074, 10.9887,
26.8911

168.3708,
126.8221, 203.0399

13.3890, 6.0592,
17.2597

206.9834,
159.6007, 248.7592

7.7758, 2.8811,
10.2559

251.0894,
197.5901, 300.8730

4.0024, 1.0700,
5.4612

301.0541,

1.7035, 0.0000,

241.1748, 359.7997

2.4569

357.2428,
290.7393, 425.9580

■ 0.4585, 0.0000,
0.8172

■ 0.0000, 0.0000,
0.0000

■ 61.5471, 40.1292,
75.7360

■ 61.5471, 40.1292,
75.7360

■ 58.1181, 34.4879,
70.8422

■ 65.8199, 47.4168,
81.0386

■ 55.4637, 30.3551,
66.3315

■ 70.9932, 56.4640,
86.7687

■ 53.5076, 27.5789,
62.1778

■ 77.1217, 67.3798,
92.9462

■ 52.1566, 25.9729,
58.3486

■ 84.2549, 80.2630,
99.5887

■ 51.4714, 25.3525,
55.8076

■ 92.4390, 95.2052,
106.7128

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.0945, 40.1292, 117.4532



61.5471, 40.1292, 75.7360



64.2751, 40.1292, 38.4308

Triad

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



61.5471, 40.1292, 75.7360



36.2566, 40.1292, 6.3224



22.9173, 40.1292, 90.3019

Complementary

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



61.5471, 40.1292, 75.7360



49.0122, 77.7158, 41.2742

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.



20.2698, 40.1292, 49.4168



61.5471, 40.1292, 75.7360



26.9332, 40.1292, 9.8969

Square

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



61.5471, 40.1292, 75.7360



48.1133, 40.1292, 7.9939



21.5793, 40.1292, 22.2680



29.6527, 40.1292, 128.3896

Rectangle

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



61.5471, 40.1292, 75.7360



61.5300, 40.1292, 22.2192



21.5793, 40.1292, 22.2680



21.5878, 40.1292, 75.8465

Sweetspot

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



61.5480, 40.1309, 75.7368



81.9615, 76.1041, 97.5047



37.2084, 27.0682, 97.8713



17.2248, 15.7138, 20.5755



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.



61.5480, 40.1309, 75.7368



57.8008, 33.9801, 70.3456



54.1508, 37.1720, 36.7838



18.6097, 18.2272, 21.8279



26.9536, 13.2707, 29.4696



2.6649, 1.3083, 3.0827

Inverse Universe

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



61.5480, 40.1309, 75.7368



57.8008, 33.9801, 70.3456



55.9988, 80.5104, 78.0652



18.6097, 18.2272, 21.8279



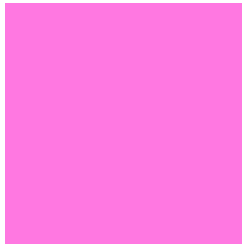
26.9536, 13.2707, 29.4696



2.6649, 1.3083, 3.0827

Previews

White Background



This preview shows how the XYZ color 61.5471, 40.1292, 75.7360 looks on a white background.

Color Contrast Check

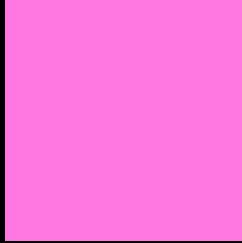
Large Text (above 18pt) WCAG AA × Fail

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 61.5471, 40.1292, 75.7360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

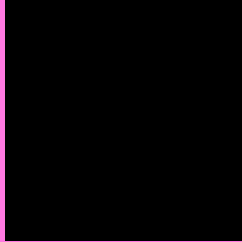
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.5471, 40.1292, 75.7360

Background



This preview shows how black text looks on a background with the XYZ color 61.5471, 40.1292, 75.7360.



This preview shows how white text looks on a background with the XYZ color 61.5471, 40.1292,

75.7360.

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

61.5471, 40.1292, 75.7360

Protanopia

42.6839, 40.4329, 100.1624

Deuteranopia

41.2434, 40.3286, 71.2561



Tritanopia

52.7915, 40.0892, 32.9725

Trichromacy



Original Color

61.5471, 40.1292, 75.7360



Protanomaly

46.5269, 38.2894, 90.5263



Deuteranomaly

46.5896, 38.7158, 72.7275



Tritanomaly

55.3771, 39.6912, 45.8168

Monochromacy



Original Color

61.5471, 40.1292, 75.7360



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

45.1523, 39.1006, 54.4576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.5471, 40.1292, 75.7360 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(255, 120, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 225)  
}
```

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(255, 120, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 225) }
```

Border

The CSS property to change the border of an element to XYZ 61.5471, 40.1292, 75.7360 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(255, 120, 225) }
```


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

```
.border{ border-color:rgb(255, 120, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 61.5471, 40.1292, 75.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 225) }
```

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

```
.background{ background-color: rgb(255,  
120, 225) }
```

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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