

Converting Colors

XYZ(51.9786, 31.5240, 73.0131)

Have a look what the booklet for
XYZ(51.9786, 31.5240, 73.0131)
contains.

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Color

**XYZ(52.0942, 31.5263,
73.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	EC60DF
RGB	236, 96, 223
RGB Percent	93%, 38%, 87%
CMY	0.0745, 0.6235, 0.1255
CMYK	0.00, 0.59, 0.06, 0.07
HSL	306°, 79%, 65%
HSV	306°, 59%, 93%
XYZ	52.0942, 31.5263, 73.1516
YIQ	152.3380, 42.6730, 69.1770

Conversions

Conversions Part 2

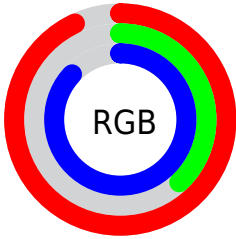
Format	Color
R _{YB}	236, 96, 223
Decimal	15491295
CIE Lab	62.95, 68.89, -39.05
CIE LCh	63, 79.183, 330.454
Yxy	31.5263, 0.3323, 0.2011
Android (android.graphics.Color)	4293681375 (0xFFEC60DF)
YUV	152.3380, 34.8364, 73.3716
Hunter-Lab	56.1483, 67.3522, -37.9409

Details

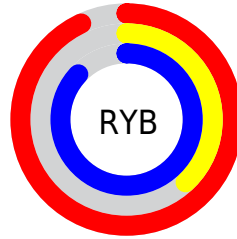
The XYZ color **52.0942, 31.5263, 73.1516** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **37.5811, 63.5830, 24.7620**, and the grayscale version is **29.8336, 31.3872, 34.1807**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **25.5965, 13.1171, 37.7420** is the 20% darker color. If you saturate the color by 10%, you get **49.9619, 27.7308, 70.9926**, and if you desaturate by 10%, it is **54.8786, 36.6183, 75.5474**.

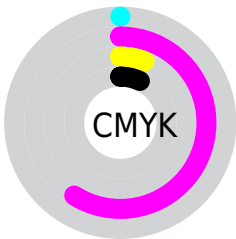
Distribution



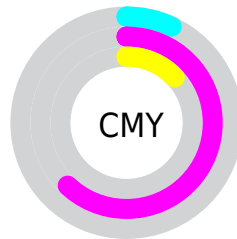
- Red (93%)
- Green (38%)
- Blue (87%)



- Red (93%)
- Yellow (38%)
- Blue (87%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (7%)





- Cyan (7%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0942, 31.5263, 73.1516 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 52.0942, 31.5263, 73.1516 by changing the saturation by 10% instead.

 52.0942, 31.5263,
73.1516

 52.0942, 31.5263,
73.1516

385.1182,
308.9557, 490.6249

 37.3047, 20.9999,
53.6074

 92.4436, 62.0677,
125.4153

 25.6183, 13.1240,
37.8968


 118.7342, 82.8516,
158.9719

 16.6695, 7.5140,
25.6014


 149.5892,
107.8234, 198.0363

 10.0930, 3.7856,
16.3026

 185.3740,
137.3676, 243.0271

 5.5234, 1.5543,
9.5819

226.4539,
171.8685, 294.3628

 2.5954, 0.3265,
5.0207

273.1944,

 0.9436, 0.0000,

211.7106, 352.4620

2.2004

325.9607,
257.2782, 417.7432

■ 0.0000, 0.0000,
0.6746

■ 0.0000, 0.0000,
0.0000

■ 52.0942, 31.5263,
73.1516

■ 52.0942, 31.5263,
73.1516

■ 49.9619, 27.7308,
70.9926

■ 54.8786, 36.6183,
75.5474

■ 48.4186, 25.1079,
69.0484


■ 58.3642, 43.1074,
78.1956


■ 47.3943, 23.5171,
67.2960

■ 62.5992, 51.0892,
81.1126


■ 46.7774, 22.7350,
65.6981


■ 67.6266, 60.6495,
84.3128


 46.7409, 22.6925,
65.5918

 73.4862, 71.8680,
87.8096

 80.2150, 84.8186,
91.6153

 85.8354, 95.5462,
95.0708

 86.1600, 95.6761,
96.7805

 86.4886, 95.8075,
98.5108

Harmonies

Analogous

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



41.8662, 31.5263, 116.1918



52.0942, 31.5263, 73.1516



56.1258, 31.5263, 33.8542

Triad

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



52.0942, 31.5263, 73.1516



29.7993, 31.5263, 2.5125



15.3084, 31.5263, 74.5219

Complementary

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



52.0942, 31.5263, 73.1516



37.5811, 63.5830, 24.7620

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.



13.5376, 31.5263, 34.8038



52.0942, 31.5263, 73.1516



20.5641, 31.5263, 4.2533

Square

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



52.0942, 31.5263, 73.1516



41.5083, 31.5263, 4.1364



15.2027, 31.5263, 12.4498



20.7883, 31.5263, 117.2654

Rectangle

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



52.0942, 31.5263, 73.1516



54.1466, 31.5263, 17.3597



15.2027, 31.5263, 12.4498



14.3286, 31.5263, 59.8052

Sweetspot

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



52.0953, 31.5278, 73.1522



81.4362, 73.8585, 101.0140



25.4686, 17.5908, 81.4108



17.0266, 15.0377, 21.3721



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.



52.0953, 31.5278, 73.1522



59.1455, 32.3349, 84.1569



44.6368, 28.5444, 33.8765



15.6510, 15.2882, 18.7134



25.7900, 12.5187, 36.2913



2.0428, 0.9901, 2.9426

Inverse Universe

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



52.0953, 31.5278, 73.1522



59.1455, 32.3349, 84.1569



42.8231, 65.6799, 52.3665



15.6510, 15.2882, 18.7134



25.7900, 12.5187, 36.2913



2.0428, 0.9901, 2.9426

Previews

White Background



This preview shows how the XYZ color 52.0942, 31.5263, 73.1516 looks on a white background.

Color Contrast Check

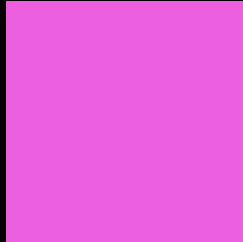
Large Text (above 18pt) WCAG AA × Fail

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 52.0942, 31.5263, 73.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

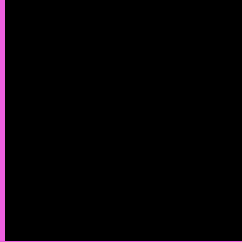
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0942, 31.5263, 73.1516

Background



This preview shows how black text looks on a background with the XYZ color 52.0942, 31.5263, 73.1516.

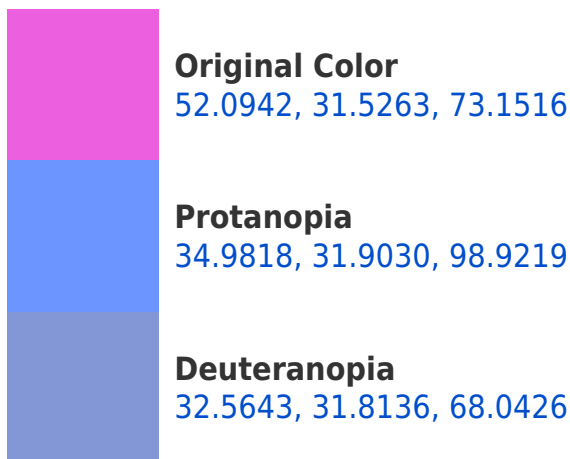


This preview shows how white text looks on a background with the XYZ color 52.0942, 31.5263,

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





Tritanopia

42.2307, 31.4552, 24.9648

Trichromacy



Original Color

52.0942, 31.5263, 73.1516



Protanomaly

37.6779, 29.4049, 88.4839



Deuteranomaly

37.0029, 29.6774, 69.4237



Tritanomaly

45.1281, 31.0917, 38.7447

Monochromacy



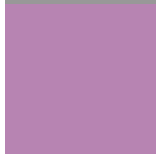
Original Color

52.0942, 31.5263, 73.1516



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

35.8156, 29.7842, 45.9807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0942, 31.5263, 73.1516 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(236, 96, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 96, 223)  
}
```

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(236, 96, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 96, 223) }
```

Border

The CSS property to change the border of an element to XYZ 52.0942, 31.5263, 73.1516 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(236, 96, 223) }
```


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

```
.border{ border-color:rgb(236, 96, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 96, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 96, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 96, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 96,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0942, 31.5263, 73.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 96, 223) }
```

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

```
.background{ background-color: rgb(236, 96,  
223) }
```

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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