

Converting Colors

XYZ(51.5664, 30.3906, 79.5296)

Have a look what the booklet for
XYZ(51.5664, 30.3906, 79.5296)
contains.

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Color

**XYZ(51.5853, 30.4642,
79.5053)**

Conversions

Conversions Part 1

Format	Color
Hex	E85BE8
RGB	232, 91, 232
RGB Percent	91%, 36%, 91%
CMY	0.0902, 0.6431, 0.0902
CMYK	0.00, 0.61, 0.00, 0.09
HSL	300°, 75%, 63%
HSV	300°, 61%, 91%
XYZ	51.5853, 30.4642, 79.5053
YIQ	149.2330, 38.7750, 73.7430

Conversions

Conversions Part 2

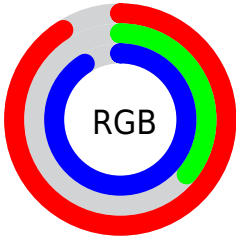
Format	Color
R _{YB}	232, 91, 232
Decimal	15227880
CIE _{Lab}	62.05, 71.41, -45.52
CIE _{LCh}	62, 84.691, 327.484
Yxy	30.4642, 0.3193, 0.1886
Android (android.graphics.Color)	4293417960 (0xFFE85BE8)
YUV	149.2330, 40.8041, 72.5867
Hunter-Lab	55.1944, 70.2380, -46.7688

Details

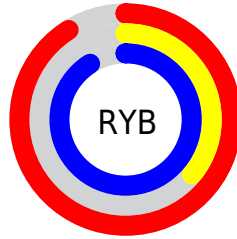
The XYZ color **51.5853, 30.4642, 79.5053** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **35.0607, 60.6940, 19.7664**, and the grayscale version is **28.4887, 29.9723, 32.6399**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **25.3382, 12.5552, 42.1622** is the 20% darker color. If you saturate the color by 10%, you get **49.9002, 27.0931, 78.9437**, and if you desaturate by 10%, it is **53.8855, 35.0636, 80.2724**.

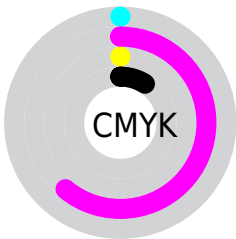
Distribution



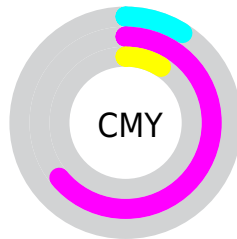
- Red (91%)
- Green (36%)
- Blue (91%)



- Red (91%)
- Yellow (36%)
- Blue (91%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (9%)




- Cyan (9%)
- Magenta (64%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5853, 30.4642, 79.5053 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 51.5853, 30.4642, 79.5053 by changing the saturation by 10% instead.


 51.5853, 30.4642,
79.5053


 51.5853, 30.4642,
79.5053

383.1838,
304.0622, 512.9268


 36.8976, 20.1912,
58.7876


 91.6972, 60.3955,
134.4751

 25.3015, 12.5341,
42.0233


 117.8521, 80.8226,
169.5642

 16.4318, 7.1085,
28.7938


 148.5601,
105.4032, 210.2810

 9.9230, 3.5301,
18.6807

 184.1865,
134.5217, 257.0438

 5.4098, 1.4143,
11.2653

225.0967,
168.5624, 310.2712

 2.5269, 0.2272,
6.1292

271.6561,

 0.9088, 0.0000,

207.9098, 370.3819

2.8537

324.2301,
252.9483, 437.7942

■ 0.0000, 0.0000,
1.0204

■ 0.0000, 0.0000,
0.0000

■ 51.5853, 30.4642,
79.5053

■ 51.5853, 30.4642,
79.5053

■ 49.9002, 27.0931,
78.9437

■ 53.8855, 35.0636,
80.2724

■ 48.7682, 24.8291,
78.5663


■ 56.8484, 40.9895,
81.2601


■ 48.1204, 23.5336,
78.3503


■ 60.5211, 48.3349,
82.4845


■ 47.8447, 22.9823,
78.2583


■ 64.9453, 57.1832,
83.9593

 70.1595, 67.6115,
85.6975

 76.1995, 79.6915,
87.7109

 83.0990, 93.4906,
90.0109

 83.6049, 94.5024,
90.1796

 83.6050, 94.5024,
90.1797

Harmonies

Analogous

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



40.2646, 30.4642, 125.5174



51.5853, 30.4642, 79.5053



56.7555, 30.4642, 35.9961

Triad

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



51.5853, 30.4642, 79.5053



29.9259, 30.4642, 1.6977



13.5661, 30.4642, 71.2784

Complementary

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



51.5853, 30.4642, 79.5053



35.0607, 60.6940, 19.7664

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.



12.1430, 30.4642, 30.4964



51.5853, 30.4642, 79.5053



19.9907, 30.4642, 2.8584

Square

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



51.5853, 30.4642, 79.5053



42.3717, 30.4642, 3.4290



14.1534, 30.4642, 9.6109



18.7199, 30.4642, 118.9593

Rectangle

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



51.5853, 30.4642, 79.5053



55.2204, 30.4642, 17.6886



14.1534, 30.4642, 9.6109



12.7056, 30.4642, 55.7670

Sweetspot

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



51.5864, 30.4656, 79.5059



82.1150, 74.1300, 104.5881



22.6224, 15.5341, 78.1511



17.1951, 15.1051, 22.2592



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.



51.5864, 30.4656, 79.5059



61.4087, 32.7177, 97.6853



43.4984, 27.2304, 36.9151



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Inverse Universe

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



51.5864, 30.4656, 79.5059



61.4087, 32.7177, 97.6853



39.6496, 62.5296, 43.9314



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 51.5853, 30.4642, 79.5053 looks on a white background.

Color Contrast Check

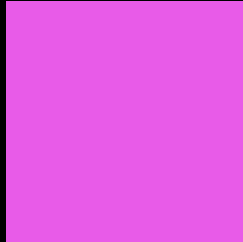
Large Text (above 18pt) WCAG AA × Fail

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 51.5853, 30.4642, 79.5053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

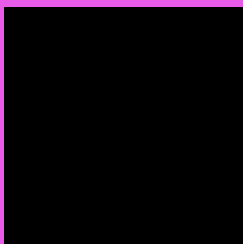
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5853, 30.4642, 79.5053

Background



This preview shows how black text looks on a background with the XYZ color 51.5853, 30.4642, 79.5053.



This preview shows how white text looks on a background with the XYZ color 51.5853, 30.4642,

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

51.5853, 30.4642, 79.5053

Protanopia

34.0772, 30.9710, 98.7897

Deuteranopia

31.5400, 30.6908, 73.3688



Tritanopia

40.1941, 30.2336, 24.4861

Trichromacy



Original Color

51.5853, 30.4642, 79.5053



Protanomaly

36.9555, 28.3782, 91.5255



Deuteranomaly

35.9438, 28.4029, 75.5394



Tritanomaly

43.0920, 29.5377, 39.5065

Monochromacy



Original Color

51.5853, 30.4642, 79.5053



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

34.4463, 28.2767, 46.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5853, 30.4642, 79.5053 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(232, 91, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 91, 232)  
}
```

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(232, 91, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 91, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.5853, 30.4642, 79.5053 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(232, 91, 232) }
```


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

```
.border{ border-color:rgb(232, 91, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 91, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 91, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 91, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 91,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5853, 30.4642, 79.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 91, 232) }
```

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

```
.background{ background-color: rgb(232, 91,  
232) }
```

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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