

Converting Colors

XYZ(53.9810, 30.9514, 85.5672)

Have a look what the booklet for
XYZ(53.9810, 30.9514, 85.5672)
contains.

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Color

**XYZ(53.9810, 30.9514,
85.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	ED56F0
RGB	237, 86, 240
RGB Percent	93%, 34%, 94%
CMY	0.0706, 0.6627, 0.0588
CMYK	0.01, 0.64, 0.00, 0.06
HSL	299°, 84%, 64%
HSV	299°, 64%, 94%
XYZ	53.9810, 30.9514, 85.5672
YIQ	148.7050, 40.5620, 79.9060

Conversions

Conversions Part 2

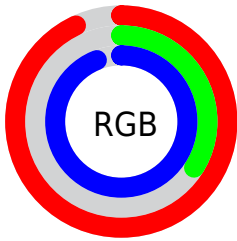
Format	Color
R _Y B	237, 86, 240
Decimal	15554288
CIE _{Lab}	62.47, 75.85, -49.28
CIE _{LCh}	62, 90.450, 326.990
Y _{xy}	30.9514, 0.3166, 0.1815
Android (android.graphics.Color)	4293744368 (0xFFED56F0)
YUV	148.7050, 45.0084, 77.4347
Hunter-Lab	55.6340, 75.8370, -52.2465

Details

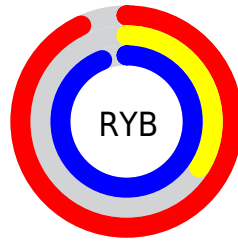
The XYZ color **53.9810, 30.9514, 85.5672** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **36.9607, 65.1167, 19.4263**, and the grayscale version is **28.2501, 29.7213, 32.3665**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **26.6787, 12.7660, 45.8577** is the 20% darker color. If you saturate the color by 10%, you get **52.2209, 27.6617, 85.0254**, and if you desaturate by 10%, it is **56.3868, 35.5301, 86.3246**.

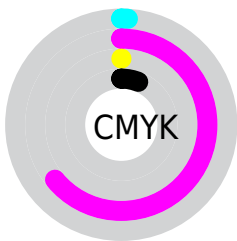
Distribution



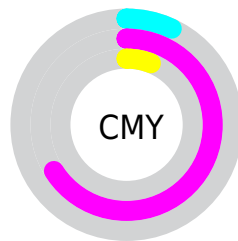
- Red (93%)
- Green (34%)
- Blue (94%)



- Red (93%)
- Yellow (34%)
- Blue (94%)



- Cyan (1%)
- Magenta (64%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (66%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9810, 30.9514, 85.5672 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 53.9810, 30.9514, 85.5672 by changing the saturation by 10% instead.


 53.9810, 30.9514,
85.5672


 53.9810, 30.9514,
85.5672

392.2371,
306.3144, 533.6965

 38.8171, 20.5618,
63.7573


 95.2034, 61.1635,
143.0466


 26.7975, 12.8041,
46.0092


 121.9926, 81.7549,
179.5531

 17.5570, 7.2938,
31.9044


 153.3876,
106.5157, 221.7956

 10.7302, 3.6465,
21.0242

 189.7538,
135.8303, 270.1926

 5.9517, 1.4779,
12.9503

231.4564,
170.0830, 325.1627

 2.8561, 0.2731,
7.2640

278.8610,

 1.0781, 0.0000,

209.6584, 387.1243

3.5468

332.3327,
254.9407, 456.4961

■ 0.0067, 0.0000,
1.3802

■ 0.0000, 0.0000,
0.1262

■ 53.9810, 30.9514,
85.5672

■ 53.9810, 30.9514,
85.5672

■ 52.2209, 27.6617,
85.0254

■ 56.3868, 35.5301,
86.3246

■ 51.0358, 25.5223,
84.6749

■ 59.4929, 41.5096,
87.3151


■ 50.3445, 24.3699,
84.4889


■ 63.3520, 48.9946,
88.5564


■ 50.0971, 24.0091,
84.4323


■ 68.0108, 58.0785,
90.0642

 73.5124, 68.8472,
91.8528

 79.8965, 81.3804,
93.9355

 87.2005, 95.7528,
96.3247

 87.6755, 96.4665,
96.4374

 87.8350, 96.5487,
96.4449

Harmonies

Analogous

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



41.4824, 30.9514, 136.9447



53.9810, 30.9514, 85.5672



59.8430, 30.9514, 37.3766

Triad

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



53.9810, 30.9514, 85.5672



30.6753, 30.9514, 1.2371



13.0006, 30.9514, 74.6270

Complementary

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



53.9810, 30.9514, 85.5672



36.9607, 65.1167, 19.4263

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.



11.5829, 30.9514, 30.2743



53.9810, 30.9514, 85.5672



19.9544, 30.9514, 2.2261

Square

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



53.9810, 30.9514, 85.5672



44.2409, 30.9514, 2.8580



13.7330, 30.9514, 8.6603



18.3425, 30.9514, 128.1030

Rectangle

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



53.9810, 30.9514, 85.5672



58.2558, 30.9514, 17.5568



13.7330, 30.9514, 8.6603



12.1271, 30.9514, 57.5620

Sweetspot

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



53.9822, 30.9528, 85.5678



81.1477, 72.7094, 104.3651



23.3198, 15.7762, 84.2546



16.9893, 14.8201, 22.2151



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.



53.9822, 30.9528, 85.5678



59.4431, 30.8540, 97.4302



46.3444, 28.0143, 40.0774



16.4221, 16.0148, 19.9472



27.4379, 13.1502, 46.2200



2.2922, 1.0989, 3.8455

Inverse Universe

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



41.0672, 25.9035, 12.2879



43.6686, 24.7051, 7.0929



41.1591, 66.7635, 43.0068



15.7853, 15.7638, 16.4256



19.6911, 10.1489, 1.0238



1.6425, 0.8460, 0.1081

Previews

White Background



This preview shows how the XYZ color 53.9810, 30.9514, 85.5672 looks on a white background.

Color Contrast Check

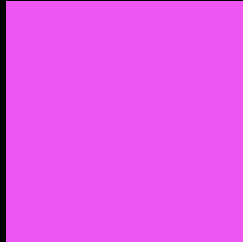
Large Text (above 18pt) WCAG AA × Fail

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 53.9810, 30.9514, 85.5672 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 53.9810, 30.9514, 85.5672

Background



This preview shows how black text looks on a background with the XYZ color 53.9810, 30.9514, 85.5672.



This preview shows how white text looks on a background with the XYZ color 53.9810, 30.9514,

85.5672.

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

53.9810, 30.9514, 85.5672

Protanopia

34.4656, 31.4031, 98.8526

Deuteranopia

32.1489, 31.3678, 78.4889



Tritanopia

41.3532, 30.8387, 24.1950

Trichromacy



Original Color

53.9810, 30.9514, 85.5672



Protanomaly

37.7258, 28.3417, 93.9246



Deuteranomaly

36.5954, 28.4329, 80.6501



Tritanomaly

44.8371, 30.2477, 41.0113

Monochromacy



Original Color

53.9810, 30.9514, 85.5672



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

34.9604, 28.1229, 47.8416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9810, 30.9514, 85.5672 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(237, 86, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 86, 240)  
}
```

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(237, 86, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 86, 240) }
```

Border

The CSS property to change the border of an element to XYZ 53.9810, 30.9514, 85.5672 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(237, 86, 240) }
```


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

```
.border{ border-color:rgb(237, 86, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 86, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 86, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 86, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 86,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9810, 30.9514, 85.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 86, 240) }
```

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

```
.background{ background-color: rgb(237, 86,  
240) }
```

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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