

Converting Colors

XYZ(59.8688, 41.0855, 87.7200)

Have a look what the booklet for
XYZ(59.8688, 41.0855, 87.7200)
contains.

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Color

**XYZ(59.9287, 41.1087,
87.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	F083F1
RGB	240, 131, 241
RGB Percent	94%, 51%, 95%
CMY	0.0588, 0.4863, 0.0549
CMYK	0.00, 0.46, 0.00, 0.05
HSL	299°, 80%, 73%
HSV	299°, 46%, 95%
XYZ	59.9287, 41.1087, 87.9953
YIQ	176.1310, 29.6540, 57.3180

Conversions

Conversions Part 2

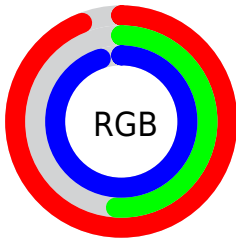
Format	Color
R _Y B	240, 131, 241
Decimal	15762417
CIE Lab	70.25, 56.97, -37.58
CIE LCh	70, 68.252, 326.589
Yxy	41.1087, 0.3170, 0.2175
Android (android.graphics.Color)	4293952497 (0xFFFF083F1)
YUV	176.1310, 31.9804, 56.0131
Hunter-Lab	64.1161, 54.6392, -36.4906

Details

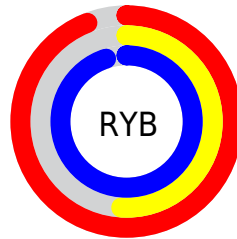
The XYZ color **59.9287, 41.1087, 87.9953** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.0690, 69.4558, 32.5055**, and the grayscale version is **41.1641, 43.3078, 47.1622**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **30.6328, 18.6167, 47.8778** is the 20% darker color. If you saturate the color by 10%, you get **56.9866, 35.3339, 87.0363**, and if you desaturate by 10%, it is **63.6263, 48.3926, 89.2069**.

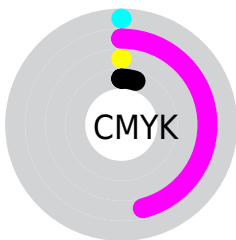
Distribution



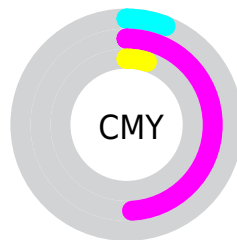
- Red (94%)
- Green (51%)
- Blue (95%)



- Red (94%)
- Yellow (51%)
- Blue (95%)



- Cyan (0%)
- Magenta (46%)
- Yellow (0%)
- Black (5%)





- Cyan (6%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9287, 41.1087, 87.9953 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 59.9287, 41.1087, 87.9953 by changing the saturation by 10% instead.


 59.9287, 41.1087,
87.9953


 59.9287, 41.1087,
87.9953

414.1739,
350.7747, 541.8887


 43.6104, 28.4040,
65.7549


 103.8332, 76.8489,
146.4617

 30.5609, 18.6304,
47.6182


 132.1500,
100.6532, 183.5247

 20.4149, 11.4036,
33.1668


 165.1972,
128.9261, 226.3657

 12.8070, 6.3390,
21.9821

203.3399,
162.0522, 275.4032

 7.3719, 3.0523,
13.6455

246.9436,
200.4156, 331.0557

 3.7441, 1.1591,
7.7386

296.3736,

 1.5584, 0.0279,

244.4010, 393.7418

3.8428

351.9952,
294.3925, 463.8799

■ 0.3651, 0.0000,
1.5395

■ 0.0000, 0.0000,
0.2471

■ 59.9287, 41.1087,
87.9953

■ 59.9287, 41.1087,
87.9953

■ 56.9866, 35.3339,
87.0363

■ 63.6263, 48.3926,
89.2069

■ 54.7430, 30.9567,
86.3097


■ 68.1232, 57.2758,
90.6846


■ 53.1394, 27.8595,
85.7964


■ 73.4646, 67.8480,
92.4437


■ 52.1060, 25.9026,
85.4731


■ 79.6912, 80.1904,
94.4978


 51.5567, 24.9137,
85.3112


 86.8411, 94.3794,
96.8597

 51.4105, 24.6689,
85.2716

 88.0206, 96.6272,
97.2314

 88.0955, 96.6658,
97.2349

 88.1705, 96.7045,
97.2384

 88.2455, 96.7432,
97.2420

Harmonies

Analogous

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



49.5172, 41.1087, 125.5851



59.9287, 41.1087, 87.9953



64.7306, 41.1087, 48.5288

Triad

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



59.9287, 41.1087, 87.9953



40.3672, 41.1087, 7.1211



22.8155, 41.1087, 78.3986

Complementary

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



59.9287, 41.1087, 87.9953



45.0690, 69.4558, 32.5055

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.



21.2877, 41.1087, 41.1923



59.9287, 41.1087, 87.9953



30.2108, 41.1087, 9.1733

Square

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



59.9287, 41.1087, 87.9953



52.1603, 41.1087, 10.5080



23.7218, 41.1087, 18.6783



28.3806, 41.1087, 118.4301

Rectangle

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



59.9287, 41.1087, 87.9953



63.5374, 41.1087, 29.3703



23.7218, 41.1087, 18.6783



21.8648, 41.1087, 64.7614

Sweetspot

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



59.9301, 41.1105, 87.9962



84.5807, 79.2383, 105.4444



33.6036, 27.9075, 86.8353



17.7971, 16.3528, 22.4683



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.



59.9301, 41.1105, 87.9962



64.9252, 40.4437, 98.9922



53.4524, 38.5587, 52.1098



16.4393, 16.0237, 19.9480



27.8853, 13.3808, 46.2409



2.3243, 1.1155, 3.8470

Inverse Universe

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



48.5581, 36.6010, 26.3367



50.4960, 34.7260, 20.5716



49.4860, 71.2046, 56.5765



15.7787, 15.7612, 16.3906



19.6806, 10.1447, 0.9687



1.6393, 0.8448, 0.0913

Previews

White Background



This preview shows how the XYZ color 59.9287, 41.1087, 87.9953 looks on a white background.

Color Contrast Check

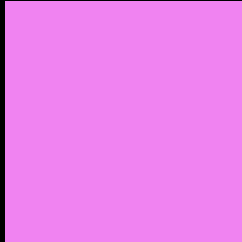
Large Text (above 18pt) WCAG AA × Fail

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 59.9287, 41.1087, 87.9953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

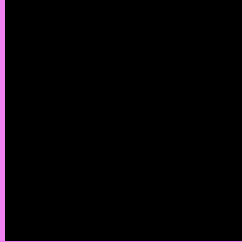
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9287, 41.1087, 87.9953

Background



This preview shows how black text looks on a background with the XYZ color 59.9287, 41.1087, 87.9953.



This preview shows how white text looks on a background with the XYZ color 59.9287, 41.1087,

87.9953.

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

59.9287, 41.1087, 87.9953

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.5524, 41.5600, 83.6210



Tritanopia

49.8136, 40.8911, 38.9855

Trichromacy



Original Color

59.9287, 41.1087, 87.9953



Protanomaly

47.3368, 39.8098, 95.6316



Deuteranomaly

47.1821, 40.2056, 85.3945



Tritanomaly

52.8989, 40.5561, 53.7552

Monochromacy



Original Color

59.9287, 41.1087, 87.9953



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

46.5493, 41.4539, 60.1916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9287, 41.1087, 87.9953 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(240, 131, 241)` looks like.

```
.text, #text, p{  
    color:rgb(240, 131, 241)  
}
```

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(240, 131, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 131, 241) }
```

Border

The CSS property to change the border of an element to XYZ 59.9287, 41.1087, 87.9953 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(240, 131, 241) }
```


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

```
.border{ border-color:rgb(240, 131, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 131, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 131, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 131, 241);  
box-shadow:4px 4px 4px 4px rgb(240, 131,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9287, 41.1087, 87.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 131, 241) }
```

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

```
.background{ background-color: rgb(240,  
131, 241) }
```

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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