

Converting Colors

XYZ(56.0477, 40.2842, 65.2638)

Have a look what the booklet for
XYZ(56.0477, 40.2842, 65.2638)
contains.

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Color

**XYZ(55.9689, 40.1789,
65.1270)**

Conversions

Conversions Part 1

Format	Color
Hex	F086D1
RGB	240, 134, 209
RGB Percent	94%, 53%, 82%
CMY	0.0588, 0.4745, 0.1804
CMYK	0.00, 0.44, 0.13, 0.06
HSL	318°, 78%, 73%
HSV	318°, 44%, 94%
XYZ	55.9689, 40.1789, 65.1270
YIQ	174.2440, 39.1010, 45.7970

Conversions

Conversions Part 2

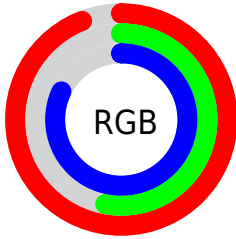
Format	Color
R _Y B	240, 134, 209
Decimal	15763153
CIE _{Lab}	69.60, 50.14, -20.93
CIE _{LCh}	70, 54.331, 337.341
Y _{xy}	40.1789, 0.3470, 0.2491
Android (android.graphics.Color)	4293953233 (0xFFFF086D1)
YUV	174.2440, 17.1347, 57.6680
Hunter-Lab	63.3868, 46.6838, -16.5469

Details

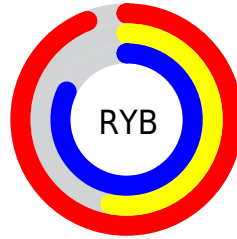
The XYZ color **55.9689, 40.1789, 65.1270** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **47.7849, 70.1064, 46.6136**, and the grayscale version is **40.2593, 42.3559, 46.1256**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **27.9928, 18.0155, 32.5738** is the 20% darker color. If you saturate the color by 10%, you get **52.1705, 33.9420, 59.6674**, and if you desaturate by 10%, it is **60.5607, 47.9401, 71.0408**.

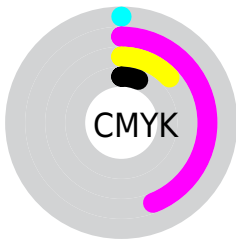
Distribution



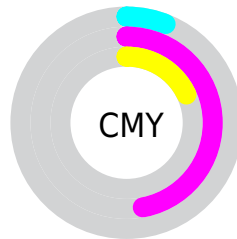
- Red (94%)
- Green (53%)
- Blue (82%)



- Red (94%)
- Yellow (53%)
- Blue (82%)



- Cyan (0%)
- Magenta (44%)
- Yellow (13%)
- Black (6%)





- Cyan (6%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9689, 40.1789, 65.1270 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 55.9689, 40.1789, 65.1270 by changing the saturation by 10% instead.


 55.9689, 40.1789,
65.1270

 55.9689, 40.1789,
65.1270


399.6512,
346.8770, 461.5669


 40.4149, 27.6781,
47.1121


 98.0992, 75.4359,
113.8474

 28.0478, 18.0831,
32.7693

 125.4062, 98.9608,
145.3900

 18.5024, 11.0097,
21.6801


 157.3615,
126.9291, 182.2789

 11.4131, 6.0733,
13.4260

194.3306,
159.7254, 224.9327

 6.4148, 2.8897,
7.5883

236.6787,
197.7339, 273.7698

 3.1419, 1.0744,
3.7487

284.7713,

 1.2293, 0.0000,

241.3391, 329.2089

1.4885

338.9737,
290.9253, 391.6684

■ 0.1293, 0.0000,
0.2094

■ 0.0000, 0.0000,
0.0000

■ 55.9689, 40.1789,
65.1270

■ 55.9689, 40.1789,
65.1270

■ 52.1705, 33.9420,
59.6674

■ 60.5607, 47.9401,
71.0408

■ 49.1098, 29.1204,
54.6398

■ 65.9893, 57.3137,
77.4245

■ 46.7294, 25.5997,
50.0230

■ 72.2995, 68.3875,
84.2956

■ 44.9615, 23.2451,
45.7920

■ 79.5315, 81.2416,
91.6698

■ 43.7233, 21.8919,
41.9166

■ 87.7233, 95.9507,
99.5621

■ 43.1731, 21.4205,
39.7942

■ 89.1264, 97.0178,
105.3919

■ 89.7455, 97.2654,
108.6518

Harmonies

Analogous

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



49.3631, 40.1789, 94.5024



55.9689, 40.1789, 65.1270



57.4842, 40.1789, 37.8605

Triad

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



55.9689, 40.1789, 65.1270



36.0736, 40.1789, 11.1948



26.2849, 40.1789, 80.0859

Complementary

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



55.9689, 40.1789, 65.1270



47.7849, 70.1064, 46.6136

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.



23.7811, 40.1789, 50.2162



55.9689, 40.1789, 65.1270



28.8426, 40.1789, 15.4805

Square

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



55.9689, 40.1789, 65.1270



45.0641, 40.1789, 12.5929



24.6401, 40.1789, 27.6490



32.0511, 40.1789, 105.1982

Rectangle

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



55.9689, 40.1789, 65.1270



55.2209, 40.1789, 25.0977



24.6401, 40.1789, 27.6490



25.0775, 40.1789, 69.9024

Sweetspot

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



55.9701, 40.1808, 65.1278



83.8494, 80.0341, 97.6590



39.5719, 31.2397, 86.3830



17.5792, 16.4804, 20.5157



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.



55.9701, 40.1808, 65.1278



60.2651, 39.5875, 69.0739



50.5448, 38.0106, 36.5584



16.2458, 15.9480, 18.8504



23.6942, 11.7501, 22.1041



2.0143, 0.9948, 2.0660

Inverse Universe

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



55.9701, 40.1808, 65.1278



60.2651, 39.5875, 69.0739



53.5218, 72.4012, 76.8237



16.2458, 15.9480, 18.8504



23.6942, 11.7501, 22.1041



2.0143, 0.9948, 2.0660

Previews

White Background



This preview shows how the XYZ color 55.9689, 40.1789, 65.1270 looks on a white background.

Color Contrast Check

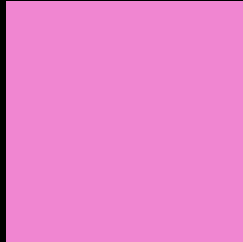
Large Text (above 18pt) WCAG AA × Fail

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 55.9689, 40.1789, 65.1270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

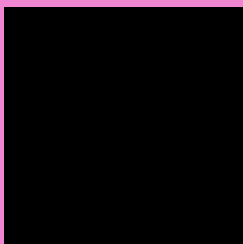
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9689, 40.1789, 65.1270

Background



This preview shows how black text looks on a background with the XYZ color 55.9689, 40.1789, 65.1270.



This preview shows how white text looks on a background with the XYZ color 55.9689, 40.1789,

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

55.9689, 40.1789, 65.1270

Protanopia

41.6164, 40.5251, 83.4706

Deuteranopia

41.3928, 40.6072, 62.1562



Tritanopia

50.0578, 40.1435, 36.5626

Trichromacy



Original Color

55.9689, 40.1789, 65.1270



Protanomaly

45.0075, 39.2805, 76.4439



Deuteranomaly

45.5057, 39.5862, 63.0001



Tritanomaly

51.8548, 39.9778, 45.5409

Monochromacy



Original Color

55.9689, 40.1789, 65.1270



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

44.6565, 40.3899, 52.4561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9689, 40.1789, 65.1270 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, 134, 209)` looks like.

```
.text, #text, p{  
    color:rgb(240, 134, 209)  
}
```

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, 134, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 134, 209) }
```

Border

The CSS property to change the border of an element to XYZ 55.9689, 40.1789, 65.1270 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, 134, 209) }
```


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

```
.border{ border-color:rgb(240, 134, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 134, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 134, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 134, 209);  
box-shadow:4px 4px 4px 4px rgb(240, 134,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9689, 40.1789, 65.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 134, 209) }
```

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

```
.background{ background-color: rgb(240,  
134, 209) }
```

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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