

Converting Colors

XYZ(55.8244, 36.7319, 75.3093)

Have a look what the booklet for
XYZ(55.8244, 36.7319, 75.3093)
contains.

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Color

**XYZ(55.8871, 36.6841,
75.3693)**

Conversions

Conversions Part 1

Format	Color
Hex	F075E1
RGB	240, 117, 225
RGB Percent	94%, 46%, 88%
CMY	0.0588, 0.5412, 0.1176
CMYK	0.00, 0.51, 0.06, 0.06
HSL	307°, 80%, 70%
HSV	307°, 51%, 94%
XYZ	55.8871, 36.6841, 75.3693
YIQ	166.0890, 38.6400, 59.6640

Conversions

Conversions Part 2

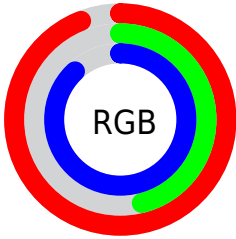
Format	Color
R _{YB}	240, 117, 225
Decimal	15758817
CIE Lab	67.04, 60.96, -33.75
CIE LCh	67, 69.675, 331.029
Yxy	36.6841, 0.3328, 0.2184
Android (android.graphics.Color)	4293948897 (0xFFFF075E1)
YUV	166.0890, 29.0431, 64.8199
Hunter-Lab	60.5674, 58.7136, -31.3825

Details

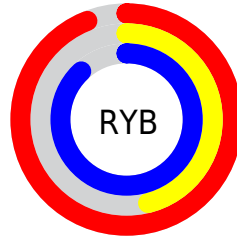
The XYZ color **55.8871, 36.6841, 75.3693** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.6628, 67.7694, 32.6645**, and the grayscale version is **36.1408, 38.0229, 41.4070**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **27.8862, 16.0258, 39.1596** is the 20% darker color. If you saturate the color by 10%, you get **53.0452, 31.6331, 72.4689**, and if you desaturate by 10%, it is **59.4550, 43.1745, 78.5461**.

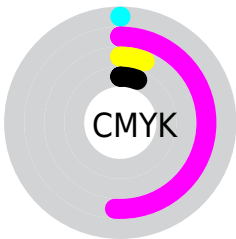
Distribution



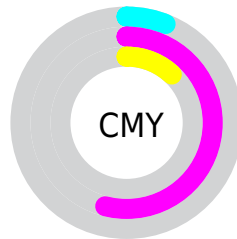
- Red (94%)
- Green (46%)
- Blue (88%)



- Red (94%)
- Yellow (46%)
- Blue (88%)



- Cyan (0%)
- Magenta (51%)
- Yellow (6%)
- Black (6%)



- Cyan (6%)
- Magenta (54%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8871, 36.6841, 75.3693 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 55.8871, 36.6841, 75.3693 by changing the saturation by 10% instead.


 55.8871, 36.6841,
75.3693


 55.8871, 36.6841,
75.3693

399.3478,
331.9408, 498.4752


 40.3491, 24.9630,
55.4119

 97.9803, 70.0867,
128.5869

 27.9962, 16.0495,
39.3308

 125.2661, 92.5369,
162.6842

 18.4633, 9.5592,
26.7074


 157.1985,
119.3323, 202.3319

 11.3848, 5.1077,
17.1231

194.1430,
150.8573, 247.9485

 6.3955, 2.3106,
10.1594

236.4648,
187.4963, 299.9526

 3.1299, 0.7793,
5.3978

284.5293,

 1.2228, 0.0000,

229.6336, 358.7627

2.4197

338.7018,
277.6536, 424.7974

■ 0.1243, 0.0000,
0.7971

■ 0.0000, 0.0000,
0.0000

■ 55.8871, 36.6841,
75.3693

■ 55.8871, 36.6841,
75.3693

■ 53.0452, 31.6331,
72.4689

■ 59.4550, 43.1745,
78.5461

■ 50.8696, 27.9047,
69.8240

■ 63.7952, 51.1994,
82.0139

■ 49.2973, 25.3719,
67.4135

■ 68.9546, 60.8515,
85.7890

■ 48.2513, 23.8810,
65.2118

■ 74.9751, 72.2148,
89.8853

47.6597, 23.2151,
63.4200

81.8960, 85.3675,
94.3161

87.8074, 96.4902,
98.4451

88.2520, 96.6681,
100.7866

88.7038, 96.8487,
103.1653

89.1626, 97.0323,
105.5815

Harmonies

Analogous

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



46.4517, 36.6841, 113.6480



55.8871, 36.6841, 75.3693



59.4452, 36.6841, 38.9043

Triad

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



55.8871, 36.6841, 75.3693



34.5026, 36.6841, 5.4059



20.1676, 36.6841, 78.1742

Complementary

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



55.8871, 36.6841, 75.3693



42.6628, 67.7694, 32.6645

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.



18.2139, 36.6841, 40.9996



55.8871, 36.6841, 75.3693



25.3890, 36.6841, 7.9142

Square

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



55.8871, 36.6841, 75.3693



45.6888, 36.6841, 7.5635



19.9147, 36.6841, 17.8321



25.9053, 36.6841, 115.7646

Rectangle

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



55.8871, 36.6841, 75.3693



57.5353, 36.6841, 22.4583



19.9147, 36.6841, 17.8321



19.1055, 36.6841, 64.7360

Sweetspot

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



55.8883, 36.6858, 75.3700



83.2964, 77.6801, 101.3217



31.5056, 23.8691, 85.3858



17.5155, 16.0353, 21.4740



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.



55.8883, 36.6858, 75.3700



60.8891, 36.3270, 83.1815



49.0124, 33.9354, 39.1620



16.3664, 15.9963, 19.4858



26.1228, 12.7216, 34.8931



2.1963, 1.0676, 3.0247

Inverse Universe

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



55.8883, 36.6858, 75.3700



60.8891, 36.3270, 83.1815



48.1067, 69.9470, 61.3319



16.3664, 15.9963, 19.4858



26.1228, 12.7216, 34.8931



2.1963, 1.0676, 3.0247

Previews

White Background



This preview shows how the XYZ color 55.8871, 36.6841, 75.3693 looks on a white background.

Color Contrast Check

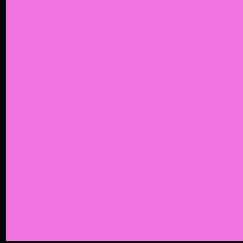
Large Text (above 18pt) WCAG AA × Fail

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 55.8871, 36.6841, 75.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

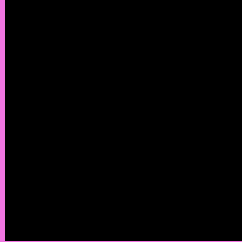
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8871, 36.6841, 75.3693

Background



This preview shows how black text looks on a background with the XYZ color 55.8871, 36.6841, 75.3693.



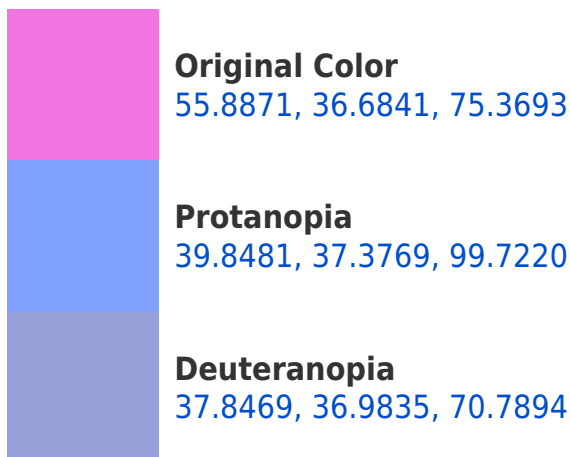
This preview shows how white text looks on a background with the XYZ color 55.8871, 36.6841,

75.3693.

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

46.9475, 36.6726, 31.7982

Trichromacy



Original Color

55.8871, 36.6841, 75.3693



Protanomaly

42.8167, 35.2175, 90.1289



Deuteranomaly

42.5721, 35.4854, 72.3157



Tritanomaly

49.5198, 36.2881, 44.9518

Monochromacy



Original Color

55.8871, 36.6841, 75.3693



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

41.5519, 36.1051, 51.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8871, 36.6841, 75.3693 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, 117, 225)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 225)  
}
```

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, 117, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.8871, 36.6841, 75.3693 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, 117, 225) }
```


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

```
.border{ border-color:rgb(240, 117, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8871, 36.6841, 75.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 225) }
```

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

```
.background{ background-color: rgb(240,  
117, 225) }
```

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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