

Converting Colors

XYZ(55.5987, 36.3091, 76.6902)

Have a look what the booklet for
XYZ(55.5987, 36.3091, 76.6902)
contains.

XYZ(55.7071, 36.3876, 76.7605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.7071, 36.3876,
76.7605)**

Conversions

Conversions Part 1

Format	Color
Hex	EF74E3
RGB	239, 116, 227
RGB Percent	94%, 45%, 89%
CMY	0.0627, 0.5451, 0.1098
CMYK	0.00, 0.51, 0.05, 0.06
HSL	306°, 79%, 70%
HSV	306°, 51%, 94%
XYZ	55.7071, 36.3876, 76.7605
YIQ	165.4310, 37.6770, 60.5970

Conversions

Conversions Part 2

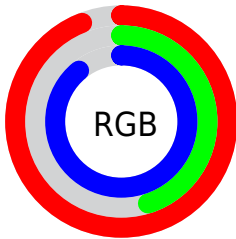
Format	Color
R_{YB}	239, 116, 227
Decimal	15693027
CIE _{Lab}	66.82, 61.47, -35.22
CIE _{LCh}	67, 70.846, 330.193
Yxy	36.3876, 0.3299, 0.2155
Android (android.graphics.Color)	4293883107 (0xFFEF74E3)
YUV	165.4310, 30.3535, 64.5200
Hunter-Lab	60.3221, 59.2799, -33.2216

Details

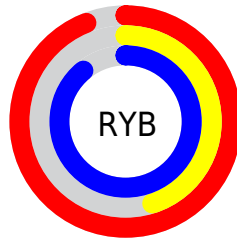
The XYZ color **55.7071, 36.3876, 76.7605** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.9669, 67.0058, 31.1460**, and the grayscale version is **35.8185, 37.6838, 41.0377**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **27.7370, 15.7715, 40.1104** is the 20% darker color. If you saturate the color by 10%, you get **52.9788, 31.4418, 74.2741**, and if you desaturate by 10%, it is **59.1508, 42.7555, 79.5075**.

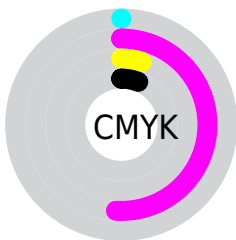
Distribution



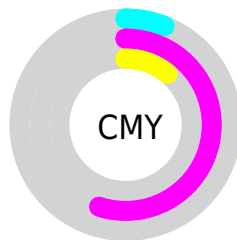
- Red (94%)
- Green (45%)
- Blue (89%)



- Red (94%)
- Yellow (45%)
- Blue (89%)



- Cyan (0%)
- Magenta (51%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (55%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7071, 36.3876, 76.7605 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 55.7071, 36.3876, 76.7605 by changing the saturation by 10% instead.

55.7071, 36.3876,
76.7605

55.7071, 36.3876,
76.7605

398.6797,
330.6515, 503.3630

40.2042, 24.7337,
56.5459

97.7185, 69.6299,
130.5713

27.8827, 15.8788,
40.2339

124.9577, 91.9871,
165.0046

18.3773, 9.4384,
27.4058

156.8397,
118.6808, 205.0145

11.3225, 5.0282,
17.6431

193.7300,
150.0955, 251.0197

6.3531, 2.2638,
10.5273

235.9937,
186.6155, 303.4385

3.1036, 0.7545,
5.6398

283.9963,

1.2088, 0.0000,

228.6252, 362.6897

2.5621

338.1032,
276.5091, 429.1917

■ 0.1133, 0.0000,
0.8728

■ 0.0000, 0.0000,
0.0000

■ 55.7071, 36.3876,
76.7605

■ 55.7071, 36.3876,
76.7605

■ 52.9788, 31.4418,
74.2741

■ 59.1508, 42.7555,
79.5075

■ 50.9066, 27.8022,
72.0275


■ 63.3557, 50.6398,
82.5296

■ 49.4280, 25.3427,
70.0001


■ 68.3684, 60.1325,
85.8425


■ 48.4665, 23.9105,
68.1664


■ 74.2304, 71.3168,
89.4603


 47.9506, 23.2924,
66.7191

 80.9805, 84.2702,
93.3960

 87.2330, 96.2213,
97.1878

 87.5836, 96.3616,
99.0343

 87.9387, 96.5036,
100.9043

 88.2984, 96.6475,
102.7980

Harmonies

Analogous

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



46.0095, 36.3876, 115.5806



55.7071, 36.3876, 76.7605



59.5349, 36.3876, 39.4220

Triad

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



55.7071, 36.3876, 76.7605



34.5161, 36.3876, 5.0671



19.6652, 36.3876, 77.2954

Complementary

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



55.7071, 36.3876, 76.7605



41.9669, 67.0058, 31.1460

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.



17.8096, 36.3876, 39.8185



55.7071, 36.3876, 76.7605



25.2285, 36.3876, 7.3813

Square

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



55.7071, 36.3876, 76.7605



45.8646, 36.3876, 7.3169



19.6177, 36.3876, 16.9402



25.3258, 36.3876, 115.9858

Rectangle

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



55.7071, 36.3876, 76.7605



57.7356, 36.3876, 22.5505



19.6177, 36.3876, 16.9402



18.6351, 36.3876, 63.6622

Sweetspot

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



55.7083, 36.3893, 76.7612



83.4433, 77.7389, 102.0956



30.4683, 23.1794, 84.5304



17.5513, 16.0496, 21.6623



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.



55.7083, 36.3893, 76.7612



61.1705, 36.0569, 85.8427



48.8417, 33.6426, 40.6020



16.3839, 16.0033, 19.5778



26.5257, 12.8827, 37.0143



2.2258, 1.0794, 3.1800

Inverse Universe

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



55.7083, 36.3893, 76.7612



61.1705, 36.0569, 85.8427



47.1207, 69.0673, 58.2855



16.3839, 16.0033, 19.5778



26.5257, 12.8827, 37.0143



2.2258, 1.0794, 3.1800

Previews

White Background



This preview shows how the XYZ color 55.7071, 36.3876, 76.7605 looks on a white background.

Color Contrast Check

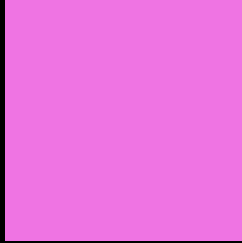
Large Text (above 18pt) WCAG AA × Fail

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 55.7071, 36.3876, 76.7605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

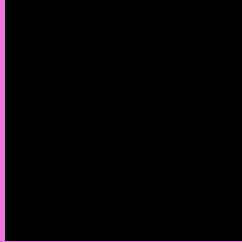
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7071, 36.3876, 76.7605

Background



This preview shows how black text looks on a background with the XYZ color 55.7071, 36.3876, 76.7605.



This preview shows how white text looks on a background with the XYZ color 55.7071, 36.3876,

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

55.7071, 36.3876, 76.7605

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.5637, 36.8073, 72.1425



Tritanopia

46.4854, 36.2263, 31.7364

Trichromacy



Original Color

55.7071, 36.3876, 76.7605



Protanomaly

42.6031, 34.8639, 90.8702



Deuteranomaly

42.1326, 35.2280, 73.6863



Tritanomaly

49.0613, 35.8571, 44.8927

Monochromacy



Original Color

55.7071, 36.3876, 76.7605



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

41.2490, 35.7047, 52.2946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7071, 36.3876, 76.7605 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(239, 116, 227)` looks like.

```
.text, #text, p{  
    color:rgb(239, 116, 227)  
}
```

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(239, 116, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 116, 227) }
```

Border

The CSS property to change the border of an element to XYZ 55.7071, 36.3876, 76.7605 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(239, 116, 227) }
```


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

```
.border{ border-color:rgb(239, 116, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 116, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 116, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 116, 227);  
box-shadow:4px 4px 4px 4px rgb(239, 116,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7071, 36.3876, 76.7605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 116, 227) }
```

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

```
.background{ background-color: rgb(239,  
116, 227) }
```

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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