

Converting Colors

XYZ(54.7658, 36.6269, 75.3978)

Have a look what the booklet for
XYZ(54.7658, 36.6269, 75.3978)
contains.

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Color

**XYZ(54.8991, 36.7021,
75.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	EC78E1
RGB	236, 120, 225
RGB Percent	93%, 47%, 88%
CMY	0.0745, 0.5294, 0.1176
CMYK	0.00, 0.49, 0.05, 0.07
HSL	306°, 75%, 70%
HSV	306°, 49%, 93%
XYZ	54.8991, 36.7021, 75.4249
YIQ	166.6540, 35.4310, 57.2470

Conversions

Conversions Part 2

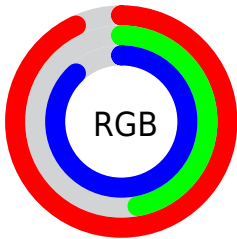
Format	Color
R _Y B	236, 120, 225
Decimal	15497441
CIE Lab	67.05, 58.41, -33.77
CIE LCh	67, 67.473, 329.969
Yxy	36.7021, 0.3287, 0.2197
Android (android.graphics.Color)	4293687521 (0xFFEC78E1)
YUV	166.6540, 28.7646, 60.8164
Hunter-Lab	60.5823, 55.7362, -31.4085

Details

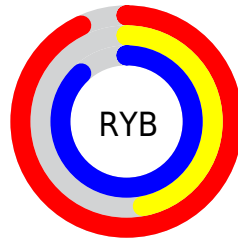
The XYZ color **54.8991, 36.7021, 75.4249** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.8395, 65.6239, 31.9366**, and the grayscale version is **36.4164, 38.3129, 41.7227**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **27.4118, 16.1101, 39.2009** is the 20% darker color. If you saturate the color by 10%, you get **52.0997, 31.5880, 72.9955**, and if you desaturate by 10%, it is **58.4043, 43.2198, 78.1100**.

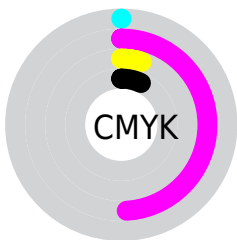
Distribution



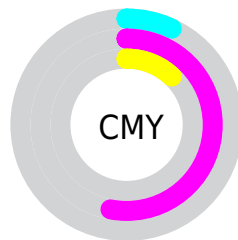
- Red (93%)
- Green (47%)
- Blue (88%)



- Red (93%)
- Yellow (47%)
- Blue (88%)



- Cyan (0%)
- Magenta (49%)
- Yellow (5%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8991, 36.7021, 75.4249 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 54.8991, 36.7021, 75.4249 by changing the saturation by 10% instead.


 54.8991, 36.7021,
75.4249

 54.8991, 36.7021,
75.4249


395.6720,
332.0190, 498.6711


 39.5545, 24.9769,
55.4572

 96.5423, 70.1144,
128.6663

 27.3740, 16.0599,
39.3668


 123.5716, 92.5703,
162.7770

 17.9923, 9.5665,
26.7352


 155.2264,
119.3718, 202.4393

 11.0441, 5.1125,
17.1438

191.8722,
150.9035, 248.0715

 6.1640, 2.3134,
10.1740

233.8743,
187.5497, 300.0922

 2.9867, 0.7808,
5.4074

281.5981,

 1.1467, 0.0000,

229.6947, 358.9201

2.4253

335.4088,
277.7230, 424.9735

■ 0.0637, 0.0000,
0.8002

■ 0.0000, 0.0000,
0.0000

■ 54.8991, 36.7021,
75.4249

■ 54.8991, 36.7021,
75.4249

■ 52.0997, 31.5880,
72.9955

■ 58.4043, 43.2198,
78.1100

■ 49.9501, 27.7678,
70.8020


■ 62.6585, 51.2300,
81.0643


■ 48.3918, 25.1239,
68.8252


■ 67.7061, 60.8203,
84.3029


■ 47.3540, 23.5149,
67.0415


■ 73.5866, 72.0701,
87.8391


 46.7275, 22.7219,
65.4143


 80.3370, 85.0533,
91.6853

 46.6815, 22.6687,
65.2793

 85.8482, 95.5514,
95.1386

 86.1799, 95.6841,
96.8856

 86.5158, 95.8184,
98.6541

 86.8558, 95.9544,
100.4444

Harmonies

Analogous

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



45.6942, 36.7021, 111.5934



54.8991, 36.7021, 75.4249



58.5602, 36.7021, 39.9929

Triad

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



54.8991, 36.7021, 75.4249



34.8949, 36.7021, 5.9093



20.4349, 36.7021, 75.3441

Complementary

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



54.8991, 36.7021, 75.4249



41.8395, 65.6239, 31.9366

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.



18.6436, 36.7021, 39.9318



54.8991, 36.7021, 75.4249



25.9297, 36.7021, 8.2830

Square

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



54.8991, 36.7021, 75.4249



45.7163, 36.7021, 8.2937



20.4424, 36.7021, 17.8337



25.9145, 36.7021, 111.5328

Rectangle

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



54.8991, 36.7021, 75.4249



56.9011, 36.7021, 23.6082



20.4424, 36.7021, 17.8337



19.4356, 36.7021, 62.5254

Sweetspot

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



54.9003, 36.7038, 75.4257



83.4599, 77.7455, 102.1826



31.0135, 24.2106, 82.3962



17.5553, 16.0512, 21.6835



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.



54.9003, 36.7038, 75.4257



62.0831, 37.6066, 86.9962



48.4090, 34.1072, 41.2427



15.6496, 15.2877, 18.7063



25.7578, 12.5058, 36.1216



2.0406, 0.9892, 2.9310

Inverse Universe

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



54.9003, 36.7038, 75.4257



62.0831, 37.6066, 86.9962



46.7839, 67.6016, 57.9732



15.6496, 15.2877, 18.7063



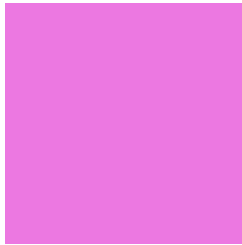
25.7578, 12.5058, 36.1216



2.0406, 0.9892, 2.9310

Previews

White Background



This preview shows how the XYZ color 54.8991, 36.7021, 75.4249 looks on a white background.

Color Contrast Check

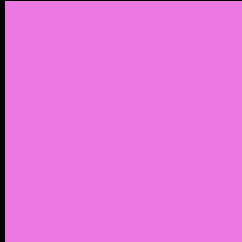
Large Text (above 18pt) WCAG AA × Fail

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 54.8991, 36.7021, 75.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

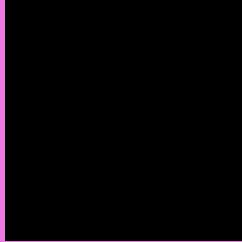
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.8991, 36.7021, 75.4249

Background



This preview shows how black text looks on a background with the XYZ color 54.8991, 36.7021, 75.4249.



This preview shows how white text looks on a background with the XYZ color 54.8991, 36.7021,

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

54.8991, 36.7021, 75.4249

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

37.7942, 36.9413, 71.4681



Tritanopia

46.1123, 36.6460, 32.6600

Trichromacy



Original Color

54.8991, 36.7021, 75.4249



Protanomaly

42.7565, 35.4143, 90.1701



Deuteranomaly

42.3861, 35.6020, 73.0445



Tritanomaly

48.5859, 36.1902, 45.4989

Monochromacy



Original Color

54.8991, 36.7021, 75.4249



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

41.7217, 36.6500, 52.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8991, 36.7021, 75.4249 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(236, 120, 225)` looks like.

```
.text, #text, p{  
    color:rgb(236, 120, 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(236, 120, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 120, 225) }
```

Border

The CSS property to change the border of an element to XYZ 54.8991, 36.7021, 75.4249 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(236, 120, 225) }
```


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

```
.border{ border-color:rgb(236, 120, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 120, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 120, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 120, 225);  
box-shadow:4px 4px 4px 4px rgb(236, 120,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8991, 36.7021, 75.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 120, 225) }
```

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

```
.background{ background-color: rgb(236,  
120, 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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