

Converting Colors

XYZ(59.6743, 36.2359, 75.5670)

Have a look what the booklet for
XYZ(59.6743, 36.2359, 75.5670)
contains.

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Color

**XYZ(59.7188, 36.2537,
75.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66E2
RGB	255, 102, 226
RGB Percent	100%, 40%, 89%
CMY	0.0000, 0.6000, 0.1137
CMYK	0.00, 0.60, 0.11, 0.00
HSL	311°, 100%, 70%
HSV	311°, 60%, 100%
XYZ	59.7188, 36.2537, 75.8016
YIQ	161.8830, 51.3840, 71.0000

Conversions

Conversions Part 2

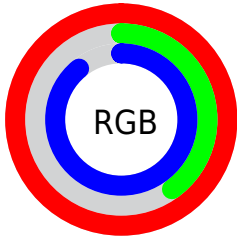
Format	Color
R _Y B	255, 102, 226
Decimal	16738018
CIE Lab	66.71, 71.72, -34.65
CIE LCh	67, 79.654, 334.216
Yxy	36.2537, 0.3477, 0.2111
Android (android.graphics.Color)	4294928098 (0xFFFF66E2)
YUV	161.8830, 31.6097, 81.6636
Hunter-Lab	60.2110, 71.6714, -32.4943

Details

The XYZ color **59.7188, 36.2537, 75.8016** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.3376, 75.9841, 33.7521**, and the grayscale version is **34.1293, 35.9067, 39.1024**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.3923, 15.7661, 39.4715** is the 20% darker color. If you saturate the color by 10%, you get **56.9330, 31.7285, 71.6469**, and if you desaturate by 10%, it is **63.2955, 42.3303, 80.3130**.

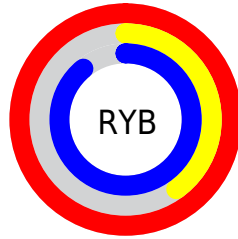
Distribution



Red (100%)

Green (40%)

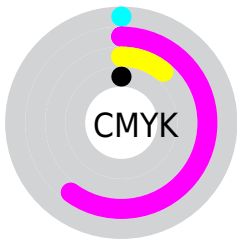
Blue (89%)



Red (100%)

Yellow (40%)

Blue (89%)

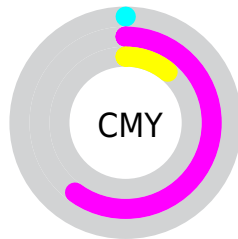


Cyan (0%)

Magenta (60%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7188, 36.2537, 75.8016 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 59.7188, 36.2537, 75.8016 by changing the saturation by 10% instead.


 59.7188, 36.2537,
75.8016


 59.7188, 36.2537,
75.8016


413.4119,
330.0681, 499.9970

 43.4406, 24.6302,
55.7642


 103.5303, 69.4235,
129.2039


 30.4270, 15.8018,
39.6111


 131.7943, 91.7385,
163.4059

 20.3126, 9.3840,
26.9240


 164.7844,
118.3862, 203.1665

 12.7321, 4.9925,
17.2842

 202.8658,
149.7509, 248.9042

 7.3200, 2.2428,
10.2732

246.4038,
186.2171, 301.0375

 3.7111, 0.7432,
5.4725

295.7640,

 1.5400, 0.0000,

228.1691, 359.9851

2.4636

351.3115,
275.9913, 426.1654

■ 0.3528, 0.0000,
0.8207

■ 0.0000, 0.0000,
0.0000

■ 59.7188, 36.2537,
75.8016

■ 59.7188, 36.2537,
75.8016

■ 56.9330, 31.7285,
71.6469

■ 63.2955, 42.3303,
80.3130

■ 54.8620, 28.6035,
67.8216

■ 67.7245, 50.0818,
85.2011

■ 53.4193, 26.7054,
64.2964

■ 73.0643, 59.6242,
90.4865

■ 52.4618, 25.7489,
61.0230

■ 79.3672, 71.0623,
96.1875

■ 52.4616, 25.7486,
61.0221

■ 86.6816, 84.4926,
102.3207

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



49.1452, 36.2537, 123.3228



59.7188, 36.2537, 75.8016



63.0047, 36.2537, 34.8080

Triad

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



59.7188, 36.2537, 75.8016



32.7878, 36.2537, 3.4310



18.6708, 36.2537, 89.5736

Complementary

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



59.7188, 36.2537, 75.8016



45.3376, 75.9841, 33.7521

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.



16.1757, 36.2537, 44.5396



59.7188, 36.2537, 75.8016



23.0342, 36.2537, 6.1512

Square

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



59.7188, 36.2537, 75.8016



45.5121, 36.2537, 4.8477



17.5648, 36.2537, 17.1269



25.3566, 36.2537, 134.0103

Rectangle

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



59.7188, 36.2537, 75.8016



60.1049, 36.2537, 18.0840



17.5648, 36.2537, 17.1269



17.3950, 36.2537, 73.2962

Sweetspot

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



59.7197, 36.2552, 75.8023



80.7456, 73.5823, 97.3772



32.0167, 21.4745, 97.0653



16.8559, 14.9694, 20.4729



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.



59.7197, 36.2552, 75.8023



56.4634, 30.9954, 70.8551



51.5339, 32.9809, 32.6965



18.6363, 18.2378, 21.9680



27.4651, 13.4753, 32.1633



2.7105, 1.3266, 3.3227

Inverse Universe

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



59.7197, 36.2552, 75.8023



56.4634, 30.9954, 70.8551



52.4482, 78.8284, 71.1961



18.6363, 18.2378, 21.9680



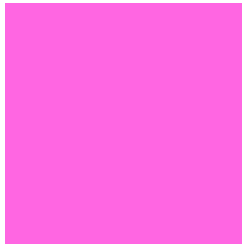
27.4651, 13.4753, 32.1633



2.7105, 1.3266, 3.3227

Previews

White Background



This preview shows how the XYZ color 59.7188, 36.2537, 75.8016 looks on a white background.

Color Contrast Check

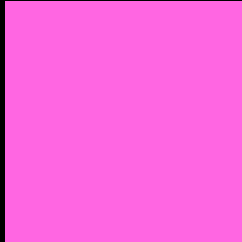
Large Text (above 18pt) WCAG AA × Fail

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 59.7188, 36.2537, 75.8016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

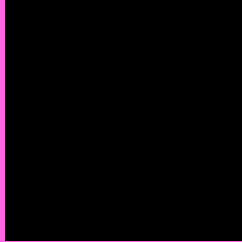
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7188, 36.2537, 75.8016

Background



This preview shows how black text looks on a background with the XYZ color 59.7188, 36.2537, 75.8016.



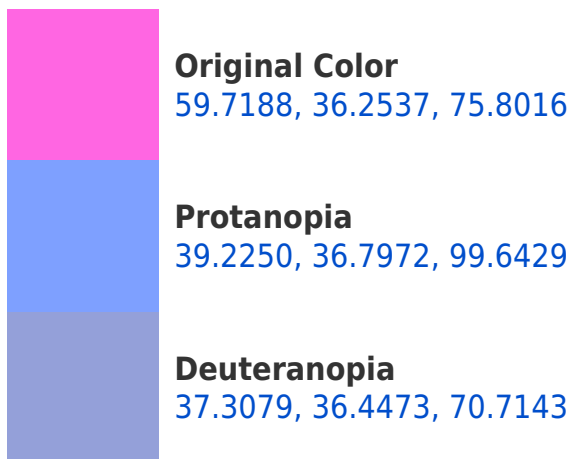
This preview shows how white text looks on a background with the XYZ color 59.7188, 36.2537,

75.8016.

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

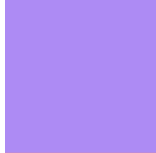
49.4902, 36.0835, 27.2781

Trichromacy



Original Color

59.7188, 36.2537, 75.8016



Protanomaly

42.7953, 33.8811, 89.8721



Deuteranomaly

42.6444, 34.1973, 72.0633



Tritanomaly

52.4961, 35.6895, 41.1677

Monochromacy



Original Color

59.7188, 36.2537, 75.8016



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

40.9000, 33.9947, 50.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7188, 36.2537, 75.8016 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(255, 102, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 226)  
}
```

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(255, 102, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 226) }
```

Border

The CSS property to change the border of an element to XYZ 59.7188, 36.2537, 75.8016 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(255, 102, 226) }
```


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

```
.border{ border-color:rgb(255, 102, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 226); box-shadow:4px 4px 4px 4px rgb(255, 102, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7188, 36.2537, 75.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 226) }
```

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

```
.background{ background-color: rgb(255,  
102, 226) }
```

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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