

Converting Colors

XYZ(51.3601, 37.5262, 49.8837)

Have a look what the booklet for
XYZ(51.3601, 37.5262, 49.8837)
contains.

XYZ(51.3601, 37.5262, 49.8837)	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(51.3601, 37.5262,
49.8837)**

Conversions

Conversions Part 1

Format	Color
Hex	EC83B8
RGB	236, 131, 184
RGB Percent	93%, 51%, 72%
CMY	0.0745, 0.4862, 0.2784
CMYK	0.00, 0.44, 0.22, 0.07
HSL	330°, 73%, 72%
HSV	330°, 44%, 93%
XYZ	51.3601, 37.5262, 49.8837
YIQ	168.4370, 45.5670, 38.7430

Conversions

Conversions Part 2

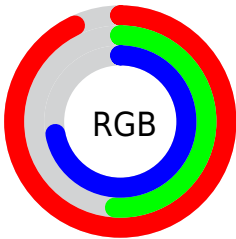
Format	Color
R _Y B	236, 131, 184
Decimal	15500216
CIE Lab	67.67, 46.61, -9.92
CIE LCh	68, 47.652, 347.982
Yxy	37.5262, 0.3701, 0.2704
Android (android.graphics.Color)	4293690296 (0xFFEC83B8)
YUV	168.4370, 7.6726, 59.2528
Hunter-Lab	61.2586, 42.4543, -5.3996

Details

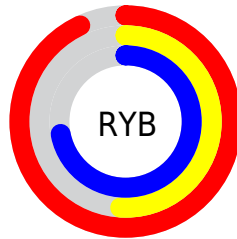
The XYZ color **51.3601, 37.5262, 49.8837** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **47.9045, 68.2361, 55.4491**, and the grayscale version is **37.3831, 39.3299, 42.8303**.

A 20% lighter version of the original color is **74.5271, 62.6691, 90.6064**, and **25.1812, 16.5524, 23.3405** is the 20% darker color. If you saturate the color by 10%, you get **47.3688, 31.4239, 42.7561**, and if you desaturate by 10%, it is **56.1766, 45.1162, 57.7866**.

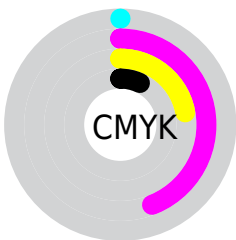
Distribution



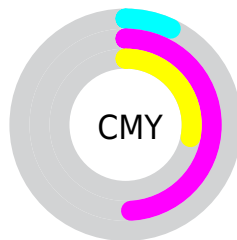
- Red (93%)
- Green (51%)
- Blue (72%)



- Red (93%)
- Yellow (51%)
- Blue (72%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (7%)





- Cyan (7%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3601, 37.5262, 49.8837 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 51.3601, 37.5262, 49.8837 by changing the saturation by 10% instead.


 51.3601, 37.5262,
49.8837


 51.3601, 37.5262,
49.8837

382.3259,
335.5831, 402.9330


 36.7175, 25.6152,
34.9505


 91.3667, 71.3813,
91.3971

 25.1615, 16.5360,
23.3415

 117.4613, 94.0942,
118.8143

 16.3268, 9.9042,
14.6382


 148.1040,
121.1766, 151.2299

 9.8480, 5.3355,
8.4221

183.6602,
153.0127, 189.0625

 5.3598, 2.4454,
4.2746

224.4950,
189.9870, 232.7305

 2.4968, 0.8491,
1.7771

270.9741,

 0.8936, 0.0000,

232.4839, 282.6526

0.4128

323.4626,
280.8878, 339.2472

■ 0.0000, 0.0000,
0.0000

■ 51.3601, 37.5262,
49.8837

■ 51.3601, 37.5262,
49.8837

■ 47.3688, 31.4239,
42.7561

■ 56.1766, 45.1162,
57.7866

■ 44.1475, 26.7035,
36.3723

■ 61.8624, 54.2795,
66.4901

■ 41.6386, 23.2542,
30.7009

■ 68.4622, 65.1012,
76.0205

■ 39.7748, 20.9450,
25.7067

■ 76.0165, 77.6591,
86.4023

■ 38.4738, 19.6160,
21.3485

■ 84.5635, 92.0258,
97.6586

■ 37.9291, 19.1677,
19.1906

■ 88.2625, 96.5170,
107.8530

■ 88.4022, 96.5729,
108.5889

Harmonies

Analogous

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



47.2363, 37.5262, 74.3973



51.3601, 37.5262, 49.8837



50.8761, 37.5262, 29.5906

Triad

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



51.3601, 37.5262, 49.8837



31.4783, 37.5262, 13.1796



27.0162, 37.5262, 78.9285

Complementary

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



51.3601, 37.5262, 49.8837



47.9045, 68.2361, 55.4491

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.



23.8391, 37.5262, 54.6783



51.3601, 37.5262, 49.8837



26.1610, 37.5262, 19.3075

Square

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



51.3601, 37.5262, 49.8837



38.6931, 37.5262, 12.6734



23.5492, 37.5262, 32.9953



32.8040, 37.5262, 94.6368

Rectangle

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



51.3601, 37.5262, 49.8837



48.0123, 37.5262, 20.6632



23.5492, 37.5262, 32.9953



25.6440, 37.5262, 71.1876

Sweetspot

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



51.3612, 37.5280, 49.8844



82.8397, 79.6302, 92.3420



42.4908, 32.2056, 83.3340



17.3294, 16.3805, 19.2005



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.



51.3612, 37.5280, 49.8844



57.0226, 38.2905, 51.9992



46.9262, 35.7540, 26.5301



15.3827, 15.1809, 17.3004



20.9727, 10.5918, 10.9233



1.6954, 0.8511, 1.1136

Inverse Universe

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



51.3612, 37.5280, 49.8844



57.0226, 38.2905, 51.9992



54.2440, 70.7719, 88.8321



15.3827, 15.1809, 17.3004



20.9727, 10.5918, 10.9233



1.6954, 0.8511, 1.1136

Previews

White Background



This preview shows how the XYZ color 51.3601, 37.5262, 49.8837 looks on a white background.

Color Contrast Check

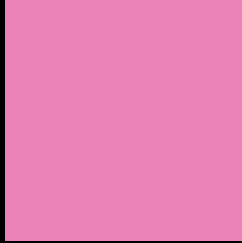
Large Text (above 18pt) WCAG AA × Fail

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 51.3601, 37.5262, 49.8837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

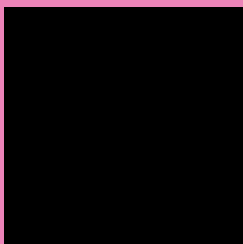
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3601, 37.5262, 49.8837

Background



This preview shows how black text looks on a background with the XYZ color 51.3601, 37.5262, 49.8837.



This preview shows how white text looks on a background with the XYZ color 51.3601, 37.5262,

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

51.3601, 37.5262, 49.8837

Protanopia

37.9336, 37.9757, 63.7232

Deuteranopia

38.5607, 37.8584, 47.9229



Tritanopia

47.7125, 37.4709, 32.7349

Trichromacy



Original Color

51.3601, 37.5262, 49.8837



Protanomaly

41.1884, 36.7240, 58.3437



Deuteranomaly

42.2728, 37.0192, 48.6335



Tritanomaly

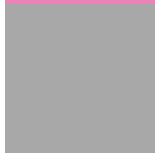
48.7013, 37.2248, 38.3365

Monochromacy



Original Color

51.3601, 37.5262, 49.8837



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.3536, 37.8361, 45.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3601, 37.5262, 49.8837 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, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(236, 131, 184)  
}
```

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, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 131, 184) }
```

Border

The CSS property to change the border of an element to XYZ 51.3601, 37.5262, 49.8837 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, 131, 184) }
```


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

```
.border{ border-color:rgb(236, 131, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 131, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(236, 131,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3601, 37.5262, 49.8837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 131, 184) }
```

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

```
.background{ background-color: rgb(236,  
131, 184) }
```

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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