

Converting Colors

XYZ(37.5920, 36.3692, 57.8749)

Have a look what the booklet for
XYZ(37.5920, 36.3692, 57.8749)
contains.

XYZ(37.6147, 36.3775, 57.8624)	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(37.6147, 36.3775,
57.8624)**

Conversions

Conversions Part 1

Format	Color
Hex	A49EC5
RGB	164, 158, 197
RGB Percent	64%, 62%, 77%
CMY	0.3569, 0.3804, 0.2274
CMYK	0.17, 0.20, 0.00, 0.23
HSL	249°, 25%, 70%
HSV	249°, 20%, 77%
XYZ	37.6147, 36.3775, 57.8624
YIQ	164.2400, -8.9430, 13.4010

Conversions

Conversions Part 2

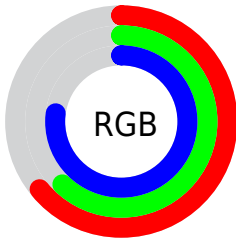
Format	Color
RYB	164, 158, 197
Decimal	10788549
CIELab	66.81, 10.16, -19.23
CIELCh	67, 21.748, 297.865
Yxy	36.3775, 0.2853, 0.2759
Android (android.graphics.Color)	4288978629 (0xFFA49EC5)
YUV	164.2400, 16.1507, -0.2105
Hunter-Lab	60.3138, 5.7725, -14.6606

Details

The XYZ color **37.6147, 36.3775, 57.8624** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.6251, 53.4785, 40.1618**, and the grayscale version is **35.3303, 37.1703, 40.4784**.

A 20% lighter version of the original color is **70.8971, 69.8043, 103.5028**, and **16.8977, 15.9433, 28.1734** is the 20% darker color. If you saturate the color by 10%, you get **31.3024, 28.5292, 56.6808**, and if you desaturate by 10%, it is **44.9189, 45.5385, 59.2463**.

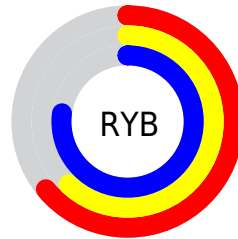
Distribution



Red (64%)

Green (62%)

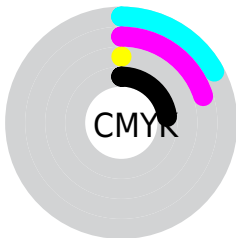
Blue (77%)



Red (64%)

Yellow (62%)

Blue (77%)

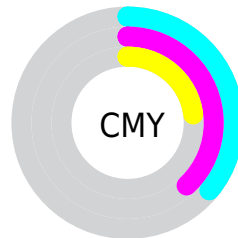


Cyan (17%)

Magenta (20%)

Yellow (0%)

Black (23%)



Cyan (36%)

Magenta (38%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6147, 36.3775, 57.8624 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 37.6147, 36.3775, 57.8624 by changing the saturation by 10% instead.

■ 37.6147, 36.3775,
57.8624

■ 37.6147, 36.3775,
57.8624

327.2737,
330.6075, 434.2569

■ 25.8596, 24.7259,
41.2841

■ 70.8249, 69.6143,
103.2353

■ 16.8508, 15.8730,
28.2197

■ 93.0108, 91.9683,
132.8669

■ 10.2228, 9.4343,
18.2509

119.4042,
118.6586, 167.6866

■ 5.6103, 5.0255,
10.9590

150.3707,
150.0695, 208.1131

■ 2.6480, 2.2622,
5.9254

186.2756,
186.5855, 254.5648

■ 0.9705, 0.7536,
2.7317

227.4841,

■ 0.0000, 0.0000,

228.5909, 307.4604

0.9593

274.3617,
276.4701, 367.2182

■ 0.0000, 0.0000,
0.0000

■ 37.6147, 36.3775,
57.8624

■ 37.6147, 36.3775,
57.8624

■ 31.3024, 28.5292,
56.6808

■ 44.9189, 45.5385,
59.2463

■ 25.9355, 21.9290,
55.6897

■ 53.2520, 56.0641,
60.8387

■ 21.4691, 16.5135,
54.8798

■ 62.6531, 68.0087,
62.6488

■ 17.8528, 12.2116,
54.2401

■ 73.1584, 81.4226,
64.6842

■ 15.0315, 8.9451,
53.7583

■ 84.3206, 95.3897,
66.7918

■ 12.9434, 6.6249,
53.4205

■ 87.0782, 96.8113,
66.9209

■ 11.5167, 5.1469,
53.2104

■ 10.6368, 4.3257,
53.0983

■ 10.6223, 4.3118,
53.0963

Harmonies

Analogous

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



34.3408, 36.3775, 60.5901



37.6147, 36.3775, 57.8624



40.2086, 36.3775, 50.0380

Triad

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



37.6147, 36.3775, 57.8624



38.0476, 36.3775, 26.1734



28.6366, 36.3775, 38.9385

Complementary

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



37.6147, 36.3775, 57.8624



47.6251, 53.4785, 40.1618

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.



29.4951, 36.3775, 30.7400



37.6147, 36.3775, 57.8624



34.8117, 36.3775, 24.1345

Square

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



37.6147, 36.3775, 57.8624



40.4695, 36.3775, 31.7368



31.7050, 36.3775, 25.6652



29.2839, 36.3775, 48.6857

Rectangle

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



37.6147, 36.3775, 57.8624



41.1301, 36.3775, 43.5370



31.7050, 36.3775, 25.6652



28.7575, 36.3775, 35.9245

Sweetspot

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



37.6158, 36.3790, 57.8632



85.7580, 88.2503, 107.1218



42.8433, 48.6285, 59.9521



18.1483, 18.6274, 22.8889



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.



37.6158, 36.3790, 57.8632



61.9837, 58.4409, 102.6211



41.9180, 38.5968, 58.0646



10.2060, 10.3645, 13.3801



7.0322, 2.8595, 34.9257



0.3826, 0.1610, 1.6561

Inverse Universe

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



44.6581, 40.0873, 54.6761



77.0586, 66.3831, 95.6092



43.0756, 51.1332, 39.9489



11.0103, 10.7875, 13.0375



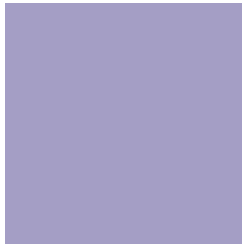
19.7400, 9.6456, 24.9044



0.9542, 0.4645, 1.2817

Previews

White Background



This preview shows how the XYZ color 37.6147, 36.3775, 57.8624 looks on a white background.

Color Contrast Check

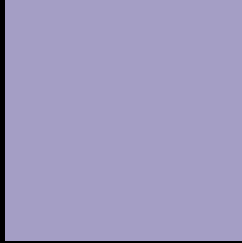
Large Text (above 18pt) WCAG AA × Fail

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 37.6147, 36.3775, 57.8624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

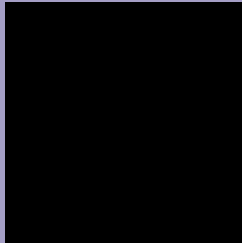
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6147, 36.3775, 57.8624

Background



This preview shows how black text looks on a background with the XYZ color 37.6147, 36.3775, 57.8624.



This preview shows how white text looks on a background with the XYZ color 37.6147, 36.3775,

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

37.6147, 36.3775, 57.8624

Protanopia

36.3801, 36.4833, 59.1574

Deuteranopia

37.1741, 36.4046, 57.8908



Tritanopia

35.1554, 36.4094, 45.7323

Trichromacy



Original Color

37.6147, 36.3775, 57.8624

Protanomaly

36.8644, 36.4879, 58.5260

Deuteranomaly

37.3765, 36.5089, 57.9003

Tritanomaly

35.9901, 36.4857, 49.9453

Monochromacy



Original Color

37.6147, 36.3775, 57.8624

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.0666, 36.8678, 46.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6147, 36.3775, 57.8624 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(164, 158, 197)` looks like.

```
.text, #text, p{  
    color:rgb(164, 158, 197)  
}
```

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(164, 158, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 158, 197) }
```

Border

The CSS property to change the border of an element to XYZ 37.6147, 36.3775, 57.8624 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(164, 158, 197) }
```


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

```
.border{ border-color:rgb(164, 158, 197) }
```

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

Here you see how a box with a 4 pixel rgb(164, 158, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 158, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 158, 197);  
box-shadow:4px 4px 4px 4px rgb(164, 158,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6147, 36.3775, 57.8624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 158, 197) }
```

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

```
.background{ background-color: rgb(164,  
158, 197) }
```

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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