

Converting Colors

XYZ(36.1913, 37.7058, 47.4847)

Have a look what the booklet for
XYZ(36.1913, 37.7058, 47.4847)
contains.

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Color

**XYZ(36.1890, 37.7017,
47.4893)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A5B2
RGB	161, 165, 178
RGB Percent	63%, 65%, 70%
CMY	0.3686, 0.3529, 0.3020
CMYK	0.10, 0.07, 0.00, 0.30
HSL	226°, 10%, 66%
HSV	226°, 10%, 70%
XYZ	36.1890, 37.7017, 47.4893
YIQ	165.2860, -6.5570, 3.1950

Conversions

Conversions Part 2

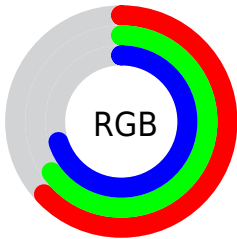
Format	Color
RYB	161, 164, 178
Decimal	10593714
CIELab	67.80, 1.19, -7.19
CIElCh	68, 7.287, 279.380
Yxy	37.7017, 0.2981, 0.3106
Android (android.graphics.Color)	4288783794 (0xFFA1A5B2)
YUV	165.2860, 6.2680, -3.7588
Hunter-Lab	61.4017, -2.2485, -2.8749

Details

The XYZ color **36.1890, 37.7017, 47.4893** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9294, 42.3101, 39.7812**, and the grayscale version is **35.8755, 37.7438, 41.1030**.

A 20% lighter version of the original color is **68.7634, 71.7258, 88.0622**, and **15.9135, 16.5421, 21.7563** is the 20% darker color. If you saturate the color by 10%, you get **30.5288, 31.3324, 46.5588**, and if you desaturate by 10%, it is **42.6233, 44.8599, 48.5324**.

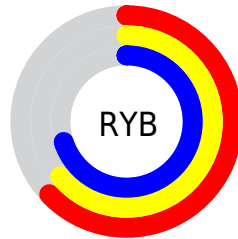
Distribution



Red (63%)

Green (65%)

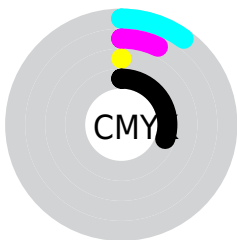
Blue (70%)



Red (63%)

Yellow (64%)

Blue (70%)

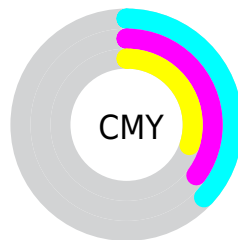


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (30%)



Cyan (37%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1890, 37.7017, 47.4893 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 36.1890, 37.7017, 47.4893 by changing the saturation by 10% instead.

■ 36.1890, 37.7017,
47.4893

■ 36.1890, 37.7017,
47.4893

321.2027,
336.3386, 393.2144

■ 24.7510, 25.7513,
33.0655

■ 68.6456, 71.6507,
87.8012

■ 16.0194, 16.6376,
21.9051

■ 90.3950, 94.4180,
114.5263

■ 9.6288, 9.9765,
13.5895

116.3122,
121.5598, 146.1890

■ 5.2139, 5.3834,
7.7003

146.7625,
153.4603, 183.2078

■ 2.4094, 2.4739,
3.8188

182.1114,
190.5041, 226.0011

■ 0.8498, 0.8635,
1.5264

222.7241,

■ 0.0000, 0.0000,

233.0755, 274.9877

0.2375

268.9661,
281.5588, 330.5859

■ 0.0000, 0.0000,
0.0000

■ 36.1890, 37.7017,
47.4893

■ 36.1890, 37.7017,
47.4893

■ 30.5288, 31.3324,
46.5588

■ 42.6233, 44.8599,
48.5324

■ 25.6098, 25.7199,
45.7348

■ 49.8565, 52.8283,
49.6893

■ 21.4016, 20.8369,
45.0140

■ 57.9160, 61.6331,
50.9640

■ 17.8703, 16.6524,
44.3925

■ 66.8274, 71.2980,
52.3598

■ 14.9792, 13.1334,
43.8656

■ 76.6147, 81.8458,
53.8799

■ 12.6880, 10.2439,
43.4286

■ 82.4332, 90.7888,
55.2994

■ 10.9514, 7.9442,
43.0763

■ 85.0360, 95.9944,
56.1670

■ 9.7172, 6.1896,
42.8027

■ 8.8925, 4.9125,
42.5996

Harmonies

Analogous

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



35.0759, 37.7017, 47.1432



36.1890, 37.7017, 47.4893



37.2281, 37.7017, 46.0416

Triad

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



36.1890, 37.7017, 47.4893



37.5371, 37.7017, 37.2345



33.8425, 37.7017, 38.9019

Complementary

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



36.1890, 37.7017, 47.4893



39.9294, 42.3101, 39.7812

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.



34.4758, 37.7017, 36.4342



36.1890, 37.7017, 47.4893



36.6036, 37.7017, 35.5072

Square

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



36.1890, 37.7017, 47.4893



38.0171, 37.7017, 40.0466



35.4820, 37.7017, 35.2221



33.7367, 37.7017, 42.0715

Rectangle

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



36.1890, 37.7017, 47.4893



37.7334, 37.7017, 44.2965



35.4820, 37.7017, 35.2221



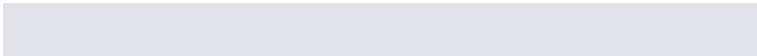
34.0001, 37.7017, 37.9675

Sweetspot

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



36.1901, 37.7033, 47.4901



73.0461, 76.6400, 87.3242



38.2347, 42.4648, 46.0987



15.9732, 16.7461, 19.3127



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1901, 37.7033, 47.4901



63.8492, 66.3804, 85.8286



36.3506, 36.7311, 47.2940



8.1990, 8.5442, 10.7234



6.3812, 3.5629, 30.4884



0.2461, 0.2027, 0.9744

Inverse Universe

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



37.8974, 37.6722, 40.8732



67.4439, 66.3402, 71.8913



39.7540, 43.3847, 39.9978



8.5756, 8.5370, 9.2637



13.4556, 6.8998, 2.2933



0.4462, 0.2262, 0.1925

Previews

White Background



This preview shows how the XYZ color 36.1890, 37.7017, 47.4893 looks on a white background.

Color Contrast Check

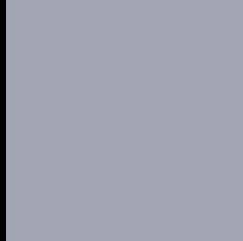
Large Text (above 18pt) WCAG AA × Fail

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 36.1890, 37.7017, 47.4893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

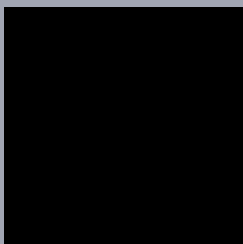
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

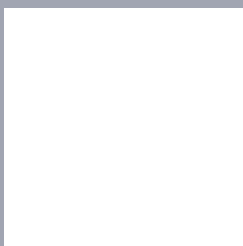
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1890, 37.7017, 47.4893

Background



This preview shows how black text looks on a background with the XYZ color 36.1890, 37.7017, 47.4893.

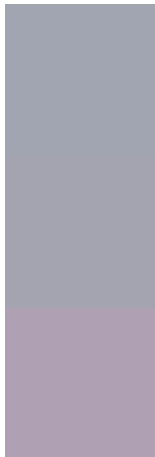


This preview shows how white text looks on a background with the XYZ color 36.1890, 37.7017,

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

36.1890, 37.7017, 47.4893

Protanopia

36.5211, 37.6178, 46.9311

Deuteranopia

38.3867, 37.5102, 47.8648



Tritanopia

36.1890, 37.7017, 47.4893

Trichromacy



Original Color

36.1890, 37.7017, 47.4893

Protanomaly

36.3155, 37.5118, 46.9214

Deuteranomaly

37.6346, 37.6414, 47.9298

Tritanomaly

36.1890, 37.7017, 47.4893

Monochromacy



Original Color

36.1890, 37.7017, 47.4893

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0207, 37.7051, 43.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1890, 37.7017, 47.4893 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(161, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(161, 165, 178)  
}
```

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(161, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 165, 178) }
```

Border

The CSS property to change the border of an element to XYZ 36.1890, 37.7017, 47.4893 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(161, 165, 178) }
```


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

```
.border{ border-color:rgb(161, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(161, 165,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1890, 37.7017, 47.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 165, 178) }
```

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

```
.background{ background-color: rgb(161,  
165, 178) }
```

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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