

Converting Colors

XYZ(47.9160, 56.1636, 37.3569)

Have a look what the booklet for
XYZ(47.9160, 56.1636, 37.3569)
contains.

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Color

**XYZ(47.8369, 56.0791,
37.1572)**

Conversions

Conversions Part 1

Format	Color
Hex	BCCC96
RGB	188, 204, 150
RGB Percent	74%, 80%, 59%
CMY	0.2627, 0.2000, 0.4118
CMYK	0.08, 0.00, 0.26, 0.20
HSL	78°, 35%, 69%
HSV	78°, 26%, 80%
XYZ	47.8369, 56.0791, 37.1572
YIQ	193.0600, 7.7980, -20.1860

Conversions

Conversions Part 2

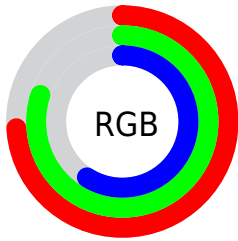
Format	Color
RYB	150, 204, 166
Decimal	12373142
CIELab	79.66, -14.60, 25.17
CIELCh	80, 29.096, 120.123
Yxy	56.0791, 0.3391, 0.3975
Android (android.graphics.Color)	4290563222 (0xFFBCCC96)
YUV	193.0600, -21.2286, -4.4376
Hunter-Lab	74.8860, -17.0253, 23.0015

Details

The XYZ color **47.8369, 56.0791, 37.1572** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5335, 34.2808, 61.7685**, and the grayscale version is **50.8427, 53.4905, 58.2512**.

A 20% lighter version of the original color is **84.3153, 95.2921, 71.0761**, and **22.9900, 27.7819, 15.9551** is the 20% darker color. If you saturate the color by 10%, you get **44.8772, 54.7286, 29.1775**, and if you desaturate by 10%, it is **51.1479, 57.5811, 46.6485**.

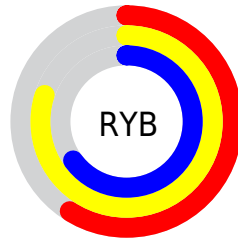
Distribution



Red (74%)

Green (80%)

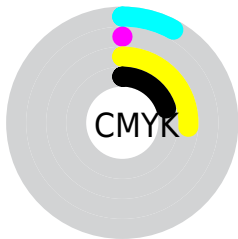
Blue (59%)



Red (59%)

Yellow (80%)

Blue (65%)

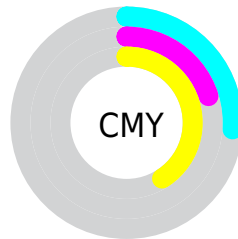


Cyan (8%)

Magenta (0%)

Yellow (26%)

Black (20%)



Cyan (26%)

Magenta (20%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8369, 56.0791, 37.1572 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 47.8369, 56.0791, 37.1572 by changing the saturation by 10% instead.

■ 47.8369, 56.0791,
37.1572

■ 47.8369, 56.0791,
37.1572

368.7386,
409.9895, 349.1798

■ 33.9085, 40.2663,
25.0325

■ 86.1727, 99.1202,
72.0035

■ 22.9858, 27.7463,
15.8820

■ 111.3107,
127.1174, 95.5622

■ 14.7037, 18.1345,
9.2873

140.9160,
159.9448, 123.7693

■ 8.6966, 11.0466,
4.8297

175.3539,
197.9869, 157.0433

■ 4.5994, 6.0982,
2.0907

214.9898,
241.6280, 195.8029

■ 2.0465, 2.9049,
0.6102

260.1889,

■ 0.6599, 1.0823,

291.2525, 240.4664

0.0000

311.3168,
347.2449, 291.4525

■ 0.0000, 0.0000,
0.0000

■ 47.8369, 56.0791,
37.1572

■ 47.8369, 56.0791,
37.1572

■ 44.8772, 54.7286,
29.1775

■ 51.1479, 57.5811,
46.6485

■ 42.2490, 53.5160,
22.6276

■ 54.8204, 59.2331,
57.7203

■ 39.9367, 52.4367,
17.4237

■ 58.8694, 61.0431,
70.4415

■ 37.9217, 51.4834,
13.4716

■ 63.3078, 63.0162,
84.8759

■ 36.1830, 50.6473,
10.6651

■ 68.1477, 65.1576,
101.0839

■ 34.6963, 49.9189,
8.8802

■ 70.4702, 66.2995,
103.6907

■ 33.4305, 49.2854,
7.9578

■ 72.3806, 67.2844,
103.7801

■ 33.0164, 49.0765,
7.7326

■ 74.3585, 68.3040,
103.8726

■ 76.4043, 69.3587,
103.9684

Harmonies

Analogous

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



53.2773, 56.0791, 34.1106



47.8369, 56.0791, 37.1572



44.1039, 56.0791, 46.3359

Triad

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



47.8369, 56.0791, 37.1572



47.8759, 56.0791, 93.5862



65.4002, 56.0791, 60.9914

Complementary

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



47.8369, 56.0791, 37.1572



37.5335, 34.2808, 61.7685

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.



63.6964, 56.0791, 78.6146



47.8369, 56.0791, 37.1572



53.3257, 56.0791, 99.4124

Square

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



47.8369, 56.0791, 37.1572



44.1252, 56.0791, 78.7566



59.1672, 56.0791, 93.4942



63.6692, 56.0791, 46.2363

Rectangle

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



47.8369, 56.0791, 37.1572



42.9399, 56.0791, 55.6833



59.1672, 56.0791, 93.4942



65.2087, 56.0791, 66.7735

Sweetspot

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



47.8383, 56.0816, 37.1584



89.7482, 97.6264, 92.4081



43.9182, 42.0597, 34.6585



19.0062, 20.8046, 19.1583



0.0000, 0.0000, 0.0000



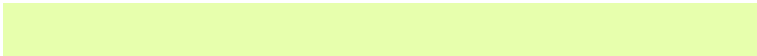
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8383, 56.0816, 37.1584



76.2375, 91.5111, 53.3837



41.9391, 53.0404, 36.8823



11.8175, 12.9233, 11.9510



20.8770, 30.9378, 4.8713



1.1509, 1.6341, 0.2548

Inverse Universe

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



37.5335, 34.2808, 61.7685



56.2494, 49.2100, 101.1416



43.6217, 37.4194, 62.0534



10.9091, 11.0024, 14.1191



8.1325, 3.4000, 36.1839



0.4964, 0.2150, 1.8703

Previews

White Background



This preview shows how the XYZ color 47.8369, 56.0791, 37.1572 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 47.8369, 56.0791, 37.1572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

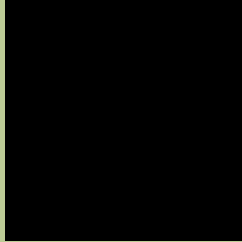
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8369, 56.0791, 37.1572

Background



This preview shows how black text looks on a background with the XYZ color 47.8369, 56.0791, 37.1572.



This preview shows how white text looks on a background with the XYZ color 47.8369, 56.0791,

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

47.8369, 56.0791, 37.1572

Protanopia

52.0967, 55.8880, 35.6454

Deuteranopia

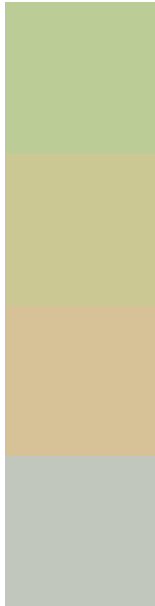
56.9024, 55.6840, 37.8860



Tritanopia

54.5238, 56.0533, 69.5737

Trichromacy



Original Color

47.8369, 56.0791, 37.1572

Protanomaly

50.6282, 56.1432, 36.1853

Deuteranomaly

52.9836, 55.2976, 37.5867

Tritanomaly

51.8569, 55.9903, 56.2182

Monochromacy



Original Color

47.8369, 56.0791, 37.1572

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3879, 54.1832, 49.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8369, 56.0791, 37.1572 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(188, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(188, 204, 150)  
}
```

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(188, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 204, 150) }
```

Border

The CSS property to change the border of an element to XYZ 47.8369, 56.0791, 37.1572 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(188, 204, 150) }
```


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

```
.border{ border-color:rgb(188, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(188, 204,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8369, 56.0791, 37.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 204, 150) }
```

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

```
.background{ background-color: rgb(188,  
204, 150) }
```

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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