

Converting Colors

XYZ(48.3620, 49.2316, 87.0745)

Have a look what the booklet for
XYZ(48.3620, 49.2316, 87.0745)
contains.

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Color

**XYZ(48.3620, 49.2316,
87.0745)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BAED
RGB	165, 186, 237
RGB Percent	65%, 73%, 93%
CMY	0.3529, 0.2706, 0.0706
CMYK	0.30, 0.22, 0.00, 0.07
HSL	222°, 67%, 79%
HSV	222°, 30%, 93%
XYZ	48.3620, 49.2316, 87.0745
YIQ	185.5350, -28.8870, 11.4090

Conversions

Conversions Part 2

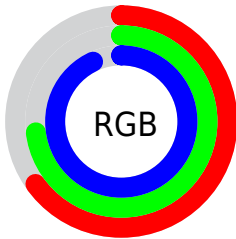
Format	Color
RYB	165, 181, 237
Decimal	10861293
CIELab	75.60, 4.36, -27.72
CIELCh	76, 28.060, 278.947
Yxy	49.2316, 0.2619, 0.2666
Android (android.graphics.Color)	4289051373 (0xFFA5BAED)
YUV	185.5350, 25.3722, -18.0092
Hunter-Lab	70.1652, 0.2435, -24.4628

Details

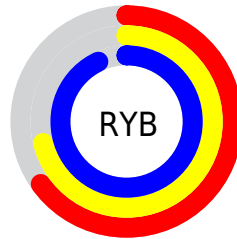
The XYZ color **48.3620, 49.2316, 87.0745** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.2732, 69.8334, 45.5850**, and the grayscale version is **46.2879, 48.6984, 53.0326**.

A 20% lighter version of the original color is **79.6209, 86.0964, 107.0295**, and **23.2836, 23.4908, 47.0231** is the 20% darker color. If you saturate the color by 10%, you get **40.5506, 40.2604, 85.7554**, and if you desaturate by 10%, it is **57.5055, 59.5086, 88.5771**.

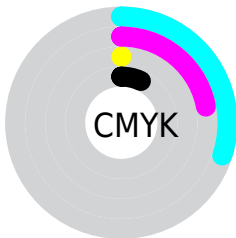
Distribution



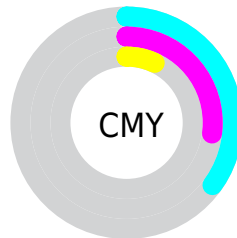
- Red (65%)
- Green (73%)
- Blue (93%)



- Red (65%)
- Yellow (71%)
- Blue (93%)



- Cyan (30%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3620, 49.2316, 87.0745 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 48.3620, 49.2316, 87.0745 by changing the saturation by 10% instead.

■ 48.3620, 49.2316,
87.0745

■ 48.3620, 49.2316,
87.0745

370.7840,
383.6534, 538.7902

■ 34.3261, 34.8032,
64.9969

■ 86.9496, 89.0353,
145.1678

■ 23.3083, 23.5113,
47.0072

■ 112.2320,
115.1795, 182.0205

■ 14.9433, 14.9715,
32.6870

141.9939,
145.9977, 224.6353

■ 8.8656, 8.7994,
21.6176

176.6007,
181.8744, 273.4308

■ 4.7100, 4.6106,
13.3806

216.4178,
223.1939, 328.8255

■ 2.1112, 2.0206,
7.5573

261.8104,

■ 0.6953, 0.6194,

270.3406, 391.2380

3.7293

313.1440,
323.6990, 461.0867

■ 0.0000, 0.0000,
1.4781

■ 0.0000, 0.0000,
0.2015

■ 48.3620, 49.2316,
87.0745

■ 48.3620, 49.2316,
87.0745

■ 40.5506, 40.2604,
85.7554

■ 57.5055, 59.5086,
88.5771

■ 34.0017, 32.5344,
84.6093

■ 68.0366, 71.1367,
90.2665

■ 28.6462, 25.9967,
83.6297

■ 80.0134, 84.1665,
92.1503

■ 24.4062, 20.5833,
82.8083

■ 91.6996, 97.7213,
94.1507

■ 21.1938, 16.2232,
82.1360

■ 92.2862, 98.8945,
94.3462

■ 18.9057, 12.8356,
81.6027

■ 17.4223, 10.3867,
81.2082

Harmonies

Analogous

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



43.2998, 49.2316, 84.9370



48.3620, 49.2316, 87.0745



53.3491, 49.2316, 79.0394

Triad

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



48.3620, 49.2316, 87.0745



54.9893, 49.2316, 37.5750



38.0861, 49.2316, 43.9816

Complementary

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



48.3620, 49.2316, 87.0745



66.2732, 69.8334, 45.5850

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.



40.7976, 49.2316, 34.3119



48.3620, 49.2316, 87.0745



50.4695, 49.2316, 31.1161

Square

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



48.3620, 49.2316, 87.0745



57.3569, 49.2316, 49.2828



45.2586, 49.2316, 30.0434



37.6133, 49.2316, 58.1725

Rectangle

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



48.3620, 49.2316, 87.0745



55.8713, 49.2316, 69.7360



45.2586, 49.2316, 30.0434



38.7558, 49.2316, 40.1754

Sweetspot

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



48.3636, 49.2335, 87.0756



82.1366, 85.9675, 106.8721



58.1196, 73.4957, 75.6838



17.1622, 17.9425, 22.8087



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.



48.3636, 49.2335, 87.0756



51.6036, 51.8444, 101.8949



47.4255, 42.6576, 85.8558



14.5892, 15.2648, 19.0997



9.6101, 5.8671, 44.3689



0.8350, 0.6215, 3.5108

Inverse Universe

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



57.2444, 48.4614, 52.7933



63.6644, 51.2421, 55.2370



67.3851, 78.9105, 47.2784



15.2462, 15.1263, 16.5817



19.7060, 10.0851, 4.2532



1.5880, 0.8082, 0.5477

Previews

White Background



This preview shows how the XYZ color 48.3620, 49.2316, 87.0745 looks on a white background.

Color Contrast Check

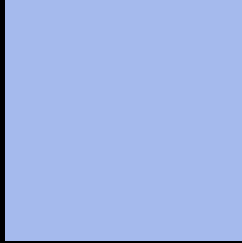
Large Text (above 18pt) WCAG AA × Fail

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 48.3620, 49.2316, 87.0745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

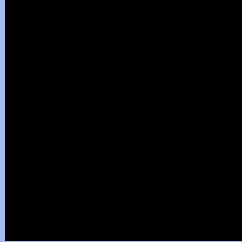
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3620, 49.2316, 87.0745

Background



This preview shows how black text looks on a background with the XYZ color 48.3620, 49.2316, 87.0745.



This preview shows how white text looks on a background with the XYZ color 48.3620, 49.2316,

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

48.3620, 49.2316, 87.0745

Protanopia

49.5144, 49.2213, 86.2479

Deuteranopia

50.4976, 49.3871, 87.7601



Tritanopia

43.9938, 49.0357, 66.1776

Trichromacy



Original Color

48.3620, 49.2316, 87.0745

Protanomaly

49.0668, 49.3001, 86.2867

Deuteranomaly

49.8067, 49.3383, 87.7871

Tritanomaly

45.5504, 49.0342, 73.3935

Monochromacy



Original Color

48.3620, 49.2316, 87.0745

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9384, 48.9906, 64.7398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3620, 49.2316, 87.0745 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(165, 186, 237)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 237)  
}
```

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(165, 186, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 237) }
```

Border

The CSS property to change the border of an element to XYZ 48.3620, 49.2316, 87.0745 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(165, 186, 237) }
```


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

```
.border{ border-color:rgb(165, 186, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 237);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3620, 49.2316, 87.0745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 237) }
```

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

```
.background{ background-color: rgb(165,  
186, 237) }
```

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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