

Converting Colors

XYZ(36.2484, 47.9871, 68.9796)

Have a look what the booklet for
XYZ(36.2484, 47.9871, 68.9796)
contains.

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Color

**XYZ(36.2499, 47.9901,
68.9805)**

Conversions

Conversions Part 1

Format	Color
Hex	56C8D3
RGB	86, 200, 211
RGB Percent	34%, 78%, 83%
CMY	0.6627, 0.2157, 0.1725
CMYK	0.59, 0.05, 0.00, 0.17
HSL	185°, 59%, 58%
HSV	185°, 59%, 83%
XYZ	36.2499, 47.9901, 68.9805
YIQ	167.1680, -71.4750, -20.7470

Conversions

Conversions Part 2

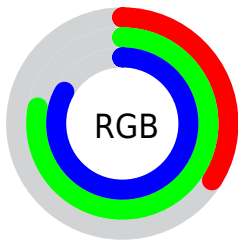
Format	Color
RYB	86, 146, 211
Decimal	5687507
CIELab	74.82, -28.86, -15.19
CIELCh	75, 32.614, 207.755
Yxy	47.9901, 0.2366, 0.3132
Android (android.graphics.Color)	4283877587 (0xFF56C8D3)
YUV	167.1680, 21.6092, -71.1843
Hunter-Lab	69.2749, -27.8263, -10.5456

Details

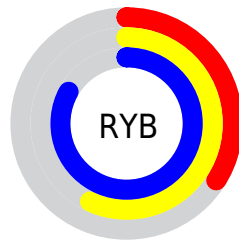
The XYZ color **36.2499, 47.9901, 68.9805** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.8195, 23.0714, 11.5289**, and the grayscale version is **36.7369, 38.6501, 42.0899**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **16.2796, 22.9581, 35.0258** is the 20% darker color. If you saturate the color by 10%, you get **34.1594, 46.2790, 68.7613**, and if you desaturate by 10%, it is **38.9219, 50.0108, 69.2306**.

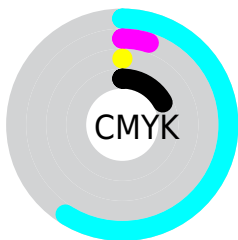
Distribution



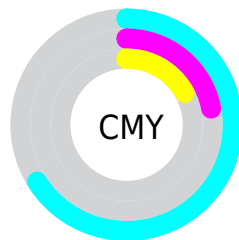
- Red (34%)
- Green (78%)
- Blue (83%)



- Red (34%)
- Yellow (57%)
- Blue (83%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (66%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2499, 47.9901, 68.9805 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 36.2499, 47.9901, 68.9805 by changing the saturation by 10% instead.

36.2499, 47.9901,
68.9805

36.2499, 47.9901,
68.9805

321.4637,
378.7529, 475.6543

24.7983, 33.8190,
50.2242

68.7390, 87.1897,
119.4212

16.0547, 22.7546,
35.2191

90.5071, 112.9870,
151.9426

9.6540, 14.4124,
23.5468

116.4448,
143.4285, 189.8894

5.2307, 8.4081,
14.7887

146.9173,
178.8986, 233.6803

2.4194, 4.3572,
8.5263

182.2902,
219.7817, 283.7336

0.8548, 1.8753,
4.3409

222.9286,

0.0000, 0.5335,

266.4622, 340.4681

1.8142

269.1980,
319.3244, 404.3021

■ 0.0000, 0.0000,
0.4373

■ 0.0000, 0.0000,
0.0000

■ 36.2499, 47.9901,
68.9805

■ 36.2499, 47.9901,
68.9805

■ 34.1594, 46.2790,
68.7613

■ 38.9219, 50.0108,
69.2306

■ 32.5938, 44.8451,
68.5670


■ 42.2168, 52.3594,
69.5103


■ 31.4930, 43.6586,
68.3960

■ 46.1772, 55.0589,
69.8226


■ 30.7546, 42.6665,
68.2435


■ 50.8408, 58.1288,
70.1693


 30.7034, 42.5939,
68.2321

 56.2424, 61.5869,
70.5521

 62.4146, 65.4502,
70.9725

 69.3879, 69.7343,
71.4319

 77.1911, 74.4543,
71.9316

 77.7369, 75.4409,
72.0933

Harmonies

Analogous

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



35.1435, 47.9901, 50.9846



36.2499, 47.9901, 68.9805



39.7969, 47.9901, 85.0179

Triad

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



36.2499, 47.9901, 68.9805



55.9508, 47.9901, 71.6807



46.0612, 47.9901, 25.9470

Complementary

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



36.2499, 47.9901, 68.9805



32.8195, 23.0714, 11.5289

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.



51.9701, 47.9901, 29.2174



36.2499, 47.9901, 68.9805



57.9795, 47.9901, 53.5424

Square

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



36.2499, 47.9901, 68.9805



51.1309, 47.9901, 86.7994



56.4640, 47.9901, 38.4752



40.5073, 47.9901, 28.3579

Rectangle

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



36.2499, 47.9901, 68.9805



43.2377, 47.9901, 91.0955



56.4640, 47.9901, 38.4752



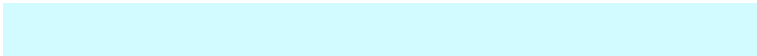
48.0740, 47.9901, 26.3997

Sweetspot

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



36.2514, 47.9919, 68.9816



78.8579, 89.7600, 107.7769



29.2638, 49.4203, 19.1654



16.3960, 18.8987, 23.0336



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.



36.2514, 47.9919, 68.9816



51.7570, 70.4474, 105.4776



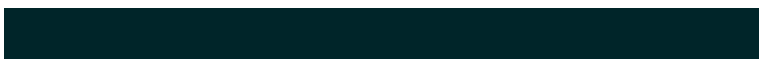
24.6975, 24.8841, 65.1303



12.0657, 13.2217, 15.1598



18.5677, 25.7819, 41.1903



1.0649, 1.4949, 2.3120

Inverse Universe

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



40.6184, 24.6760, 57.2675



59.2757, 32.3870, 84.8422



40.9288, 39.2899, 14.2320



12.2641, 11.9904, 14.6664



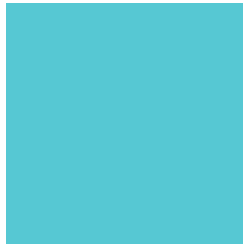
22.0028, 10.6740, 31.2507



1.2437, 0.6022, 1.8183

Previews

White Background



This preview shows how the XYZ color 36.2499, 47.9901, 68.9805 looks on a white background.

Color Contrast Check

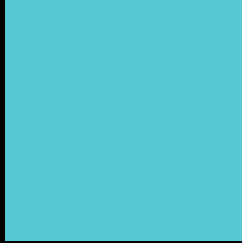
Large Text (above 18pt) WCAG AA × Fail

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 36.2499, 47.9901, 68.9805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

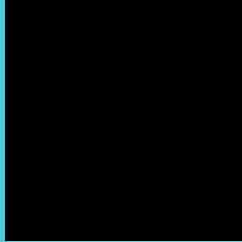
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2499, 47.9901, 68.9805

Background



This preview shows how black text looks on a background with the XYZ color 36.2499, 47.9901, 68.9805.



This preview shows how white text looks on a background with the XYZ color 36.2499, 47.9901,

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

36.2499, 47.9901, 68.9805

Protanopia

46.0928, 47.4032, 60.7532

Deuteranopia

48.5224, 47.5124, 71.5791



Tritanopia

36.7137, 47.8279, 71.5867

Trichromacy



Original Color

36.2499, 47.9901, 68.9805



Protanomaly

40.8311, 46.8180, 63.3847



Deuteranomaly

42.3023, 46.7852, 70.4192



Tritanomaly

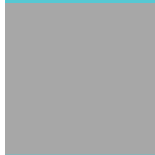
36.4915, 47.7281, 70.9075

Monochromacy



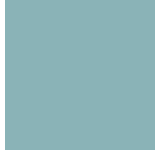
Original Color

36.2499, 47.9901, 68.9805



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.1486, 41.0624, 50.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2499, 47.9901, 68.9805 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(86, 200, 211)` looks like.

```
.text, #text, p{  
    color:rgb(86, 200, 211)  
}
```

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(86, 200, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 200, 211) }
```

Border

The CSS property to change the border of an element to XYZ 36.2499, 47.9901, 68.9805 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(86, 200, 211) }
```


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

```
.border{ border-color:rgb(86, 200, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 200, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 200, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 200, 211);  
box-shadow:4px 4px 4px 4px rgb(86, 200,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2499, 47.9901, 68.9805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 200, 211) }
```

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

```
.background{ background-color: rgb(86, 200,  
211) }
```

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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