

Converting Colors

XYZ(36.2508, 43.4112, 65.8299)

Have a look what the booklet for
XYZ(36.2508, 43.4112, 65.8299)
contains.

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Color

**XYZ(36.2802, 43.4538,
66.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	75BAD0
RGB	117, 186, 208
RGB Percent	46%, 73%, 82%
CMY	0.5412, 0.2706, 0.1843
CMYK	0.44, 0.11, 0.00, 0.18
HSL	195°, 49%, 64%
HSV	195°, 44%, 82%
XYZ	36.2802, 43.4538, 66.1498
YIQ	167.8770, -48.1860, -7.7860

Conversions

Conversions Part 2

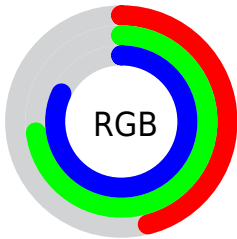
Format	Color
R _{YB}	117, 156, 208
Decimal	7715536
CIE Lab	71.86, -16.02, -17.90
CIE LCh	72, 24.021, 228.186
Yxy	43.4538, 0.2487, 0.2979
Android (android.graphics.Color)	4285905616 (0xFF75BAD0)
YUV	167.8770, 19.7806, -44.6191
Hunter-Lab	65.9195, -17.1178, -13.3535

Details

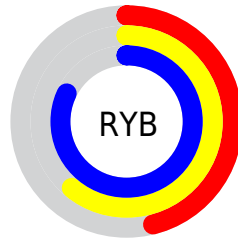
The XYZ color **36.2802, 43.4538, 66.1498** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4568, 33.1604, 21.2045**, and the grayscale version is **37.0833, 39.0145, 42.4868**.

A 20% lighter version of the original color is **67.0357, 79.6085, 106.4406**, and **16.1447, 20.1003, 33.6007** is the 20% darker color. If you saturate the color by 10%, you get **32.7494, 40.0895, 65.6873**, and if you desaturate by 10%, it is **40.4718, 47.2161, 66.6558**.

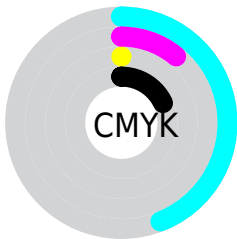
Distribution



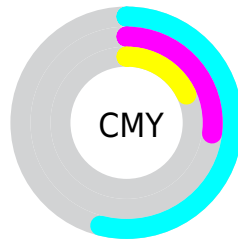
- Red (46%)
- Green (73%)
- Blue (82%)



- Red (46%)
- Yellow (61%)
- Blue (82%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (54%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2802, 43.4538, 66.1498 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 36.2802, 43.4538, 66.1498 by changing the saturation by 10% instead.

■ 36.2802, 43.4538,
66.1498

■ 36.2802, 43.4538,
66.1498

321.5935,
360.4747, 465.3313

■ 24.8218, 30.2413,
47.9368

■ 68.7854, 80.3952,
115.3304

■ 16.0724, 20.0218,
33.4172

■ 90.5628, 104.8930,
147.1350

■ 9.6665, 12.4109,
22.1725

■ 116.5107,
133.9212, 184.3072

■ 5.2390, 7.0242,
13.7842

146.9943,
167.8645, 227.2655

■ 2.4244, 3.4772,
7.8337

182.3791,
207.1070, 276.4286

■ 0.8573, 1.3857,
3.9025

223.0303,

■ 0.0000, 0.2061,

252.0333, 332.2149

1.5720

269.3133,
303.0278, 395.0429

■ 0.0000, 0.0000,
0.2707

■ 0.0000, 0.0000,
0.0000

■ 36.2802, 43.4538,
66.1498

■ 36.2802, 43.4538,
66.1498

■ 32.7494, 40.0895,
65.6873

■ 40.4718, 47.2161,
66.6558

■ 29.8335, 37.0960,
65.2632

■ 45.3585, 51.3915,
67.2042

■ 27.4867, 34.4502,
64.8762

■ 50.9765, 56.0005,
67.7977

■ 25.6548, 32.1233,
64.5236

■ 57.3587, 61.0604,
68.4380

■ 24.2721, 30.0811,
64.2023

■ 64.5358, 66.5875,
69.1266

■ 23.5642, 28.9118,
64.0139

■ 72.5365, 72.5973,
69.8649

■ 78.5350, 77.6334,
70.5208

■ 79.8842, 80.3318,
70.9706

■ 81.2735, 83.1105,
71.4337

Harmonies

Analogous

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



34.2759, 43.4538, 54.6918



36.2802, 43.4538, 66.1498



39.7133, 43.4538, 72.9412

Triad

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



36.2802, 43.4538, 66.1498



49.4816, 43.4538, 52.0733



38.8970, 43.4538, 28.9899

Complementary

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



36.2802, 43.4538, 66.1498



38.4568, 33.1604, 21.2045

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.



42.9316, 43.4538, 28.5253



36.2802, 43.4538, 66.1498



49.2270, 43.4538, 40.6311

Square

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



36.2802, 43.4538, 66.1498



47.4403, 43.4538, 63.9626



46.7660, 43.4538, 32.4430



35.7166, 43.4538, 33.8380

Rectangle

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



36.2802, 43.4538, 66.1498



42.4307, 43.4538, 73.2720



46.7660, 43.4538, 32.4430



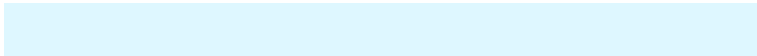
40.1926, 43.4538, 28.3491

Sweetspot

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



36.2816, 43.4555, 66.1508



81.3848, 89.2390, 107.5432



34.4974, 50.7364, 32.1096



16.9684, 18.7365, 22.9721



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.



36.2816, 43.4555, 66.1508



52.5057, 64.1327, 104.2192



28.2867, 27.4658, 63.4859



11.9062, 12.9026, 15.1066



14.7648, 18.1763, 39.9227



0.8851, 1.1354, 2.2521

Inverse Universe

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



41.2378, 29.6789, 50.0113



61.5606, 40.6022, 74.3654



46.3095, 48.8656, 23.8221



12.1835, 11.9582, 14.2423



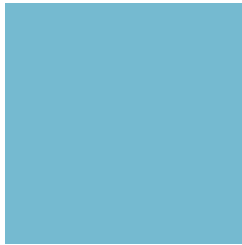
20.0833, 9.9062, 21.1428



1.1530, 0.5659, 1.3404

Previews

White Background



This preview shows how the XYZ color 36.2802, 43.4538, 66.1498 looks on a white background.

Color Contrast Check

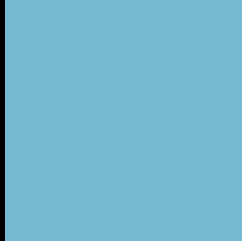
Large Text (above 18pt) WCAG AA × Fail

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 36.2802, 43.4538, 66.1498 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 36.2802, 43.4538, 66.1498

Background



This preview shows how black text looks on a background with the XYZ color 36.2802, 43.4538, 66.1498.



This preview shows how white text looks on a background with the XYZ color 36.2802, 43.4538,

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

36.2802, 43.4538, 66.1498

Protanopia

42.3560, 43.1002, 60.7303

Deuteranopia

44.0000, 42.9429, 67.5978



Tritanopia

35.5012, 43.4498, 62.3926

Trichromacy



Original Color

36.2802, 43.4538, 66.1498

Protanomaly

39.4624, 42.7319, 62.6681

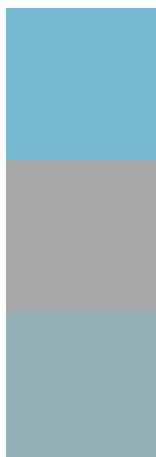
Deuteranomaly

40.4846, 42.5738, 67.0566

Tritanomaly

35.8719, 43.6133, 63.6543

Monochromacy



Original Color

36.2802, 43.4538, 66.1498

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.2716, 40.4684, 50.6992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2802, 43.4538, 66.1498 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(117, 186, 208)` looks like.

```
.text, #text, p{  
    color:rgb(117, 186, 208)  
}
```

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(117, 186, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 186, 208) }
```

Border

The CSS property to change the border of an element to XYZ 36.2802, 43.4538, 66.1498 is called "border". The border property can be set on classes, ids or directly on the HTML element.

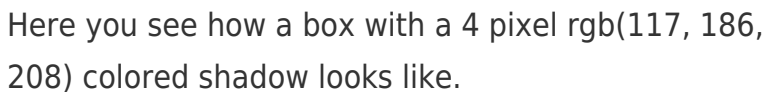
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 186, 208) }
```


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

```
.border{ border-color:rgb(117, 186, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 186, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 186, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 186, 208);  
box-shadow:4px 4px 4px 4px rgb(117, 186,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2802, 43.4538, 66.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 186, 208) }
```

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

```
.background{ background-color: rgb(117,  
186, 208) }
```

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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