

Converting Colors

XYZ(45.0036, 47.5523, 70.4249)

Have a look what the booklet for
XYZ(45.0036, 47.5523, 70.4249)
contains.

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Color

**XYZ(45.0036, 47.5523,
70.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B9D6
RGB	165, 185, 214
RGB Percent	65%, 73%, 84%
CMY	0.3529, 0.2745, 0.1608
CMYK	0.23, 0.14, 0.00, 0.16
HSL	216°, 37%, 74%
HSV	216°, 23%, 84%
XYZ	45.0036, 47.5523, 70.4249
YIQ	182.3260, -21.2290, 4.7790

Conversions

Conversions Part 2

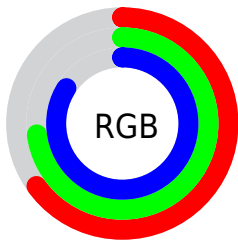
Format	Color
R _Y B	165, 179, 214
Decimal	10861014
CIE Lab	74.54, -0.56, -16.86
CIE LCh	75, 16.865, 268.106
Yxy	47.5523, 0.2761, 0.2918
Android (android.graphics.Color)	4289051094 (0xFFA5B9D6)
YUV	182.3260, 15.6153, -15.1949
Hunter-Lab	68.9582, -4.1838, -12.2804

Details

The XYZ color **45.0036, 47.5523, 70.4249** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.8154, 55.5965, 43.4933**, and the grayscale version is **44.5681, 46.8891, 51.0622**.

A 20% lighter version of the original color is **79.3241, 85.5027, 106.9306**, and **21.1914, 22.4505, 36.0174** is the 20% darker color. If you saturate the color by 10%, you get **38.3872, 40.3830, 69.3906**, and if you desaturate by 10%, it is **52.6037, 55.5814, 71.5749**.

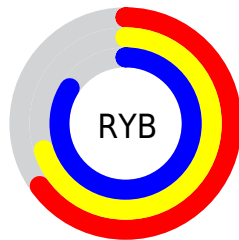
Distribution



Red (65%)

Green (73%)

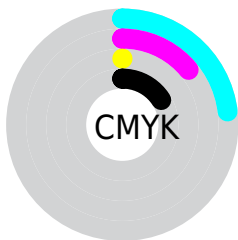
Blue (84%)



Red (65%)

Yellow (70%)

Blue (84%)

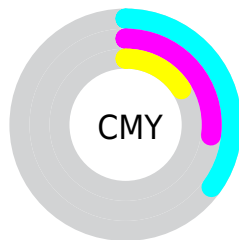


Cyan (23%)

Magenta (14%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (27%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0036, 47.5523, 70.4249 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 45.0036, 47.5523, 70.4249 by changing the saturation by 10% instead.

■ 45.0036, 47.5523,
70.4249

■ 45.0036, 47.5523,
70.4249

357.5716,
377.0148, 480.8699

■ 31.6616, 33.4725,
51.3941

■ 81.9628, 86.5374,
121.5013

■ 21.2574, 22.4886,
36.1434

■ 106.3108,
112.2116, 154.3839

■ 13.4258, 14.2164,
24.2544

135.0580,
142.5192, 192.7209

■ 7.8014, 8.2713,
15.3085

168.5699,
177.8449, 236.9308

■ 4.0189, 4.2690,
8.8872

207.2119,
218.5729, 287.4320

■ 1.7128, 1.8252,
4.5718

251.3492,

■ 0.4643, 0.5028,

265.0876, 344.6433

1.9440

301.3474,
317.7734, 408.9831

■ 0.0000, 0.0000,
0.5205

■ 0.0000, 0.0000,
0.0000

■ 45.0036, 47.5523,
70.4249

■ 45.0036, 47.5523,
70.4249

■ 38.3872, 40.3830,
69.3906

■ 52.6037, 55.5814,
71.5749

■ 32.7069, 34.0365,
68.4650

■ 61.2236, 64.4941,
72.8409

■ 27.9178, 28.4810,
67.6451

■ 70.9026, 74.3205,
74.2274

■ 23.9687, 23.6806,
66.9266

■ 81.6767, 85.0871,
75.7377

■ 20.8032, 19.5956,
66.3050

■ 87.0456, 93.4508,
77.0691

■ 18.3569, 16.1819,
65.7750

■ 89.1377, 97.6351,
77.7665

■ 16.5531, 13.3885,
65.3309

■ 15.5748, 11.7293,
65.0622

Harmonies

Analogous

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



42.1712, 47.5523, 67.3711



45.0036, 47.5523, 70.4249



48.0141, 47.5523, 68.0345

Triad

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



45.0036, 47.5523, 70.4249



50.5652, 47.5523, 44.2662



40.4024, 47.5523, 43.4063

Complementary

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



45.0036, 47.5523, 70.4249



53.8154, 55.5965, 43.4933

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.



42.4924, 47.5523, 38.3396



45.0036, 47.5523, 70.4249



48.3642, 47.5523, 38.7955

Square

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



45.0036, 47.5523, 70.4249



51.3100, 47.5523, 52.3331



45.3910, 47.5523, 36.7500



39.5899, 47.5523, 51.2236

Rectangle

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



45.0036, 47.5523, 70.4249



49.7006, 47.5523, 63.8103



45.3910, 47.5523, 36.7500



40.9741, 47.5523, 41.3594

Sweetspot

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



45.0051, 47.5542, 70.4260



85.5073, 90.2147, 107.5142



49.2555, 59.9697, 59.7742



18.1338, 19.1358, 22.9878



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.



45.0051, 47.5542, 70.4260



62.4473, 65.9001, 104.0364



41.9739, 40.2107, 69.1683



12.1547, 12.8328, 15.7739



9.5104, 7.2826, 39.3576



0.6539, 0.5998, 2.4006

Inverse Universe

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



49.9448, 44.7104, 51.8987



71.0007, 61.3091, 71.8808



57.3936, 64.5000, 45.0232



12.6313, 12.5040, 13.9986



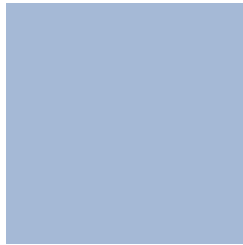
17.8593, 9.0800, 6.5630



1.1177, 0.5639, 0.6092

Previews

White Background



This preview shows how the XYZ color 45.0036, 47.5523, 70.4249 looks on a white background.

Color Contrast Check

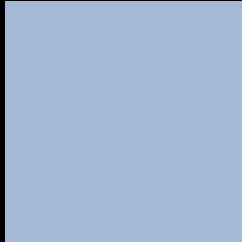
Large Text (above 18pt) WCAG AA × Fail

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 45.0036, 47.5523, 70.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

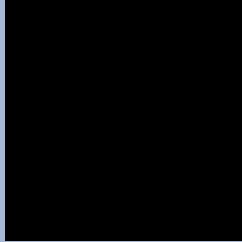
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

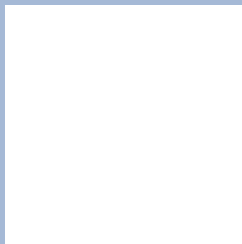
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0036, 47.5523, 70.4249

Background



This preview shows how black text looks on a background with the XYZ color 45.0036, 47.5523, 70.4249.



This preview shows how white text looks on a background with the XYZ color 45.0036, 47.5523,

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

45.0036, 47.5523, 70.4249

Protanopia

46.9717, 47.6743, 69.0137

Deuteranopia

48.3934, 47.4608, 70.9002



Tritanopia

43.5353, 47.5914, 62.7686

Trichromacy



Original Color

45.0036, 47.5523, 70.4249

Protanomaly

46.1773, 47.5553, 69.6961

Deuteranomaly

47.1497, 47.4190, 70.9577

Tritanomaly

44.0093, 47.4666, 65.2349

Monochromacy



Original Color

45.0036, 47.5523, 70.4249

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.5756, 46.9921, 57.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0036, 47.5523, 70.4249 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, 185, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 185, 214)  
}
```

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, 185, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 185, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.0036, 47.5523, 70.4249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

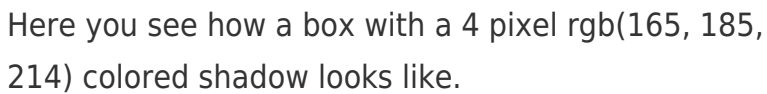
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 185, 214) }
```


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

```
.border{ border-color:rgb(165, 185, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 185, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 185, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 185, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 185,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0036, 47.5523, 70.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 185, 214) }
```

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

```
.background{ background-color: rgb(165,  
185, 214) }
```

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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