

Converting Colors

XYZ(46.2281, 50.3713, 72.1179)

Have a look what the booklet for
XYZ(46.2281, 50.3713, 72.1179)
contains.

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Color

**XYZ(46.3486, 50.4437,
72.2595)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C0D8
RGB	163, 192, 216
RGB Percent	64%, 75%, 85%
CMY	0.3608, 0.2470, 0.1529
CMYK	0.25, 0.11, 0.00, 0.15
HSL	207°, 40%, 74%
HSV	207°, 25%, 85%
XYZ	46.3486, 50.4437, 72.2595
YIQ	186.0650, -24.9880, 1.3160

Conversions

Conversions Part 2

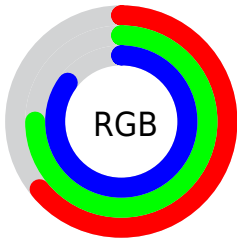
Format	Color
RYB	163, 182, 216
Decimal	10731736
CIELab	76.34, -4.47, -15.24
CIELCh	76, 15.885, 253.663
Yxy	50.4437, 0.2742, 0.2984
Android (android.graphics.Color)	4288921816 (0xFFA3C0D8)
YUV	186.0650, 14.7580, -20.2280
Hunter-Lab	71.0237, -7.8062, -10.6050

Details

The XYZ color **46.3486, 50.4437, 72.2595** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.7007, 52.7842, 42.0624**, and the grayscale version is **46.6398, 49.0687, 53.4358**.

A 20% lighter version of the original color is **80.8308, 89.4149, 107.6063**, and **22.0960, 24.3534, 37.2543** is the 20% darker color. If you saturate the color by 10%, you get **40.2217, 44.2035, 71.3788**, and if you desaturate by 10%, it is **53.3767, 57.3628, 73.2254**.

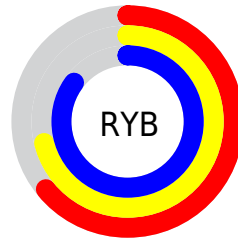
Distribution



Red (64%)

Green (75%)

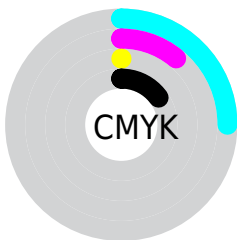
Blue (85%)



Red (64%)

Yellow (71%)

Blue (85%)

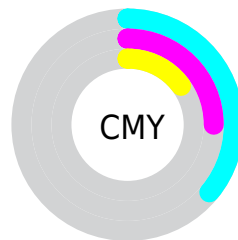


Cyan (25%)

Magenta (11%)

Yellow (0%)

Black (15%)



Cyan (36%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3486, 50.4437, 72.2595 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 46.3486, 50.4437, 72.2595 by changing the saturation by 10% instead.

■ 46.3486, 50.4437,
72.2595

■ 46.3486, 50.4437,
72.2595

362.9009,
388.3986, 487.4461

■ 32.7268, 35.7661,
52.8826

■ 83.9651, 90.8319,
124.1366

■ 22.0755, 24.2536,
37.3219

■ 108.6906,
117.3113, 157.4737

■ 14.0293, 15.5218,
25.1591

137.8479,
148.4935, 196.3014

■ 8.2229, 9.1864,
15.9755

171.8025,
184.7627, 241.0381

■ 4.2909, 4.8630,
9.3527

210.9198,
226.5034, 292.1024

■ 1.8680, 2.1671,
4.8720

255.5650,

■ 0.5581, 0.7020,

274.1000, 349.9128

2.1149

306.1036,
327.9369, 414.8879

■ 0.0000, 0.0000,
0.6246

■ 0.0000, 0.0000,
0.0000

■ 46.3486, 50.4437,
72.2595

■ 46.3486, 50.4437,
72.2595

■ 40.2217, 44.2035,
71.3788

■ 53.3767, 57.3628,
73.2254

■ 34.9502, 38.6109,
70.5771

■ 61.3396, 64.9784,
74.2757

■ 30.4911, 33.6407,
69.8528

■ 70.2750, 73.3150,
75.4139

■ 26.7954, 29.2632,
69.2027

■ 80.2167, 82.3939,
76.6423

■ 23.8083, 25.4458,
68.6233

■ 85.0622, 89.0728,
77.6761

■ 21.4666, 22.1512,
68.1108

■ 88.0340, 95.0164,
78.6667

■ 19.6940, 19.3353,
67.6607

■ 89.3948, 97.7379,
79.1203

■ 18.8965, 17.9613,
67.4375

Harmonies

Analogous

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



43.9113, 50.4437, 67.0749



46.3486, 50.4437, 72.2595



49.3140, 50.4437, 72.4982

Triad

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



46.3486, 50.4437, 72.2595



53.7423, 50.4437, 51.1321



44.0902, 50.4437, 43.8695

Complementary

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



46.3486, 50.4437, 72.2595



52.7007, 52.7842, 42.0624

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.



46.6020, 50.4437, 40.4486



46.3486, 50.4437, 72.2595



52.2189, 50.4437, 44.3381

Square

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



46.3486, 50.4437, 72.2595



53.6675, 50.4437, 59.6799



49.5781, 50.4437, 40.6107



42.6449, 50.4437, 50.4289

Rectangle

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



46.3486, 50.4437, 72.2595



51.1981, 50.4437, 69.7755



49.5781, 50.4437, 40.6107



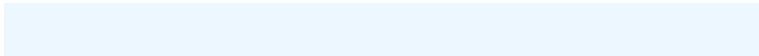
44.8332, 50.4437, 42.3463

Sweetspot

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



46.3501, 50.4457, 72.2606



86.2607, 91.7215, 107.7653



48.6148, 60.4807, 56.0424



18.3082, 19.4846, 23.0459



0.0000, 0.0000, 0.0000



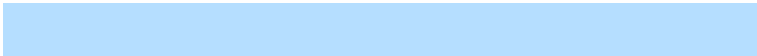
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3501, 50.4457, 72.2606



63.1107, 69.0356, 104.6067



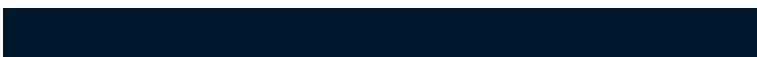
41.0728, 39.8911, 70.5015



12.3002, 13.1237, 15.8224



11.2939, 10.8496, 39.9521



0.7634, 0.8188, 2.4371

Inverse Universe

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



50.9318, 44.6004, 55.7958



70.8941, 59.5761, 76.5304



58.8131, 65.0090, 44.0998



12.7047, 12.5334, 14.3852



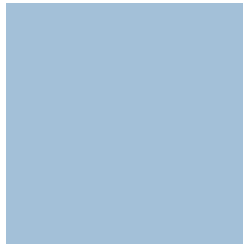
18.7595, 9.4401, 11.3036



1.1730, 0.5860, 0.9003

Previews

White Background



This preview shows how the XYZ color 46.3486, 50.4437, 72.2595 looks on a white background.

Color Contrast Check

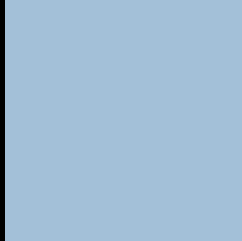
Large Text (above 18pt) WCAG AA × Fail

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 46.3486, 50.4437, 72.2595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

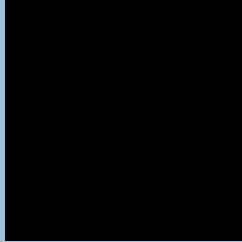
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

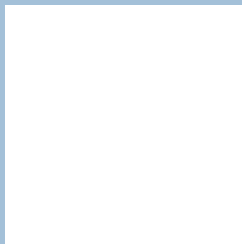
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3486, 50.4437, 72.2595

Background



This preview shows how black text looks on a background with the XYZ color 46.3486, 50.4437, 72.2595.



This preview shows how white text looks on a background with the XYZ color 46.3486, 50.4437,

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

46.3486, 50.4437, 72.2595

Protanopia

49.2097, 50.0616, 69.3566

Deuteranopia

51.3266, 50.1354, 73.3016



Tritanopia

45.2765, 50.3204, 67.6481

Trichromacy



Original Color

46.3486, 50.4437, 72.2595

Protanomaly

47.8980, 50.0006, 70.0774

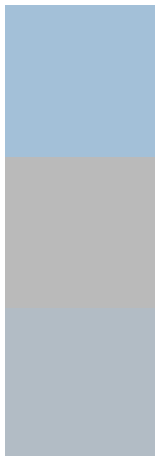
Deuteranomaly

49.1393, 49.9513, 72.6973

Tritanomaly

45.8539, 50.5748, 69.6325

Monochromacy



Original Color

46.3486, 50.4437, 72.2595

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4214, 49.4626, 59.9239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3486, 50.4437, 72.2595 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(163, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(163, 192, 216)  
}
```

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(163, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 192, 216) }
```

Border

The CSS property to change the border of an element to XYZ 46.3486, 50.4437, 72.2595 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(163, 192, 216) }
```


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

```
.border{ border-color:rgb(163, 192, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(163, 192,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3486, 50.4437, 72.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 192, 216) }
```

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

```
.background{ background-color: rgb(163,  
192, 216) }
```

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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