

Converting Colors

XYZ(46.2703, 50.6806, 75.8866)

Have a look what the booklet for
XYZ(46.2703, 50.6806, 75.8866)
contains.

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Color

**XYZ(46.2217, 50.6295,
75.7429)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC1DD
RGB	158, 193, 221
RGB Percent	62%, 76%, 87%
CMY	0.3804, 0.2431, 0.1333
CMYK	0.29, 0.13, 0.00, 0.13
HSL	207°, 48%, 74%
HSV	207°, 29%, 87%
XYZ	46.2217, 50.6295, 75.7429
YIQ	185.7270, -29.8480, 1.2880

Conversions

Conversions Part 2

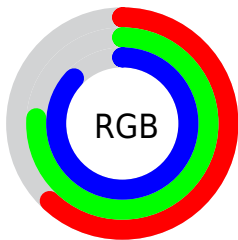
Format	Color
R _{YB}	158, 181, 221
Decimal	10404317
CIE Lab	76.45, -5.32, -17.81
CIE LCh	76, 18.584, 253.379
Yxy	50.6295, 0.2678, 0.2933
Android (android.graphics.Color)	4288594397 (0xFF9EC1DD)
YUV	185.7270, 17.3896, -24.3166
Hunter-Lab	71.1544, -8.5671, -13.3053

Details

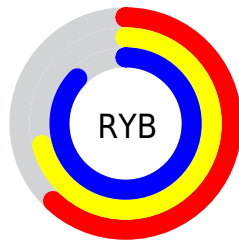
The XYZ color **46.2217, 50.6295, 75.7429** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.5500, 52.9591, 39.7489**, and the grayscale version is **46.4385, 48.8569, 53.2052**.

A 20% lighter version of the original color is **79.6572, 89.2675, 107.6397**, and **22.0867, 24.5126, 39.6437** is the 20% darker color. If you saturate the color by 10%, you get **40.1600, 44.3888, 74.8587**, and if you desaturate by 10%, it is **53.2125, 57.5657, 76.7141**.

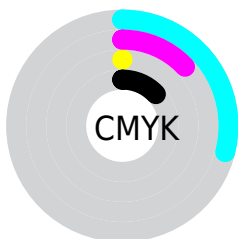
Distribution



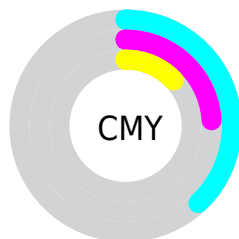
- Red (62%)
- Green (76%)
- Blue (87%)



- Red (62%)
- Yellow (71%)
- Blue (87%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (38%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2217, 50.6295, 75.7429 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 46.2217, 50.6295, 75.7429 by changing the saturation by 10% instead.

■ 46.2217, 50.6295,
75.7429

■ 46.2217, 50.6295,
75.7429

362.4003,
389.1226, 499.7905

■ 32.6262, 35.9138,
55.7163

■ 83.7765, 91.1069,
129.1202

■ 21.9981, 24.3677,
39.5731

■ 108.4665,
117.6374, 163.3079

■ 13.9721, 15.6066,
26.8946

137.5854,
148.8749, 203.0532

■ 8.1828, 9.2462,
17.2623

171.4985,
185.2040, 248.7745

■ 4.2649, 4.9021,
10.2578

210.5712,
227.0089, 300.8903

■ 1.8531, 2.1899,
5.4624

255.1688,

■ 0.5493, 0.7145,

274.6740, 359.8192

2.4576

305.6567,
328.5838, 425.9798

■ 0.0000, 0.0000,
0.8175

■ 0.0000, 0.0000,
0.0000

■ 46.2217, 50.6295,
75.7429

■ 46.2217, 50.6295,
75.7429

■ 40.1600, 44.3888,
74.8587

■ 53.2125, 57.5657,
76.7141

■ 34.9779, 38.8103,
74.0550

■ 61.1691, 65.2166,
77.7715

■ 30.6283, 33.8666,
73.3301

■ 70.1319, 73.6083,
78.9189

■ 27.0575, 29.5258,
72.6804

■ 80.1375, 82.7633,
80.1586

■ 24.2043, 25.7517,
72.1023

■ 86.0768, 90.0516,
81.2524

■ 21.9975, 22.5029,
71.5915

■ 89.0809, 96.0598,
82.2538

■ 20.3319, 19.7203,
71.1422

■ 90.0513, 98.0005,
82.5772

■ 20.1075, 19.3330,
71.0793

Harmonies

Analogous

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



43.3926, 50.6295, 69.4581



46.2217, 50.6295, 75.7429



49.6965, 50.6295, 76.0923

Triad

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



46.2217, 50.6295, 75.7429



54.9730, 50.6295, 50.7848



43.6444, 50.6295, 42.2671

Complementary

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



46.2217, 50.6295, 75.7429



53.5500, 52.9591, 39.7489

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.



46.5808, 50.6295, 38.4165



46.2217, 50.6295, 75.7429



53.1828, 50.6295, 42.9165

Square

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



46.2217, 50.6295, 75.7429



54.8654, 50.6295, 60.8279



50.0733, 50.6295, 38.6388



41.9548, 50.6295, 49.7937

Rectangle

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



46.2217, 50.6295, 75.7429



51.9216, 50.6295, 72.8456



50.0733, 50.6295, 38.6388



44.5121, 50.6295, 40.5431

Sweetspot

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



46.2233, 50.6315, 75.7441



83.9371, 89.5684, 107.4722



48.7469, 62.4985, 55.5606



17.6046, 18.8274, 22.9561



0.0000, 0.0000, 0.0000



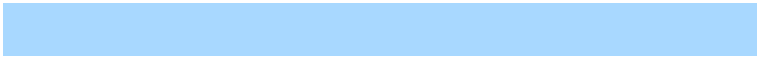
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2233, 50.6315, 75.7441



58.9386, 64.9302, 104.0341



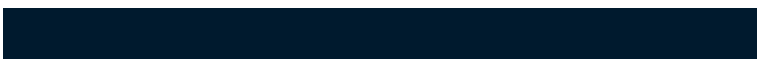
40.1086, 38.4022, 73.7058



12.9356, 13.8109, 16.6361



11.7954, 11.4602, 41.3288



0.8496, 0.9134, 2.7060

Inverse Universe

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



51.6726, 43.6776, 56.1614



67.7535, 54.3583, 72.2053



60.7526, 67.3644, 42.1498



13.3573, 13.1720, 15.1430



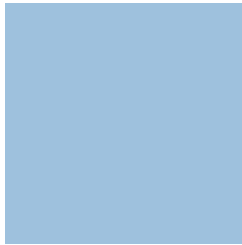
19.4491, 9.7807, 12.0108



1.3031, 0.6509, 1.0053

Previews

White Background



This preview shows how the XYZ color 46.2217, 50.6295, 75.7429 looks on a white background.

Color Contrast Check

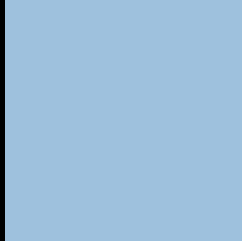
Large Text (above 18pt) WCAG AA × Fail

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 46.2217, 50.6295, 75.7429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

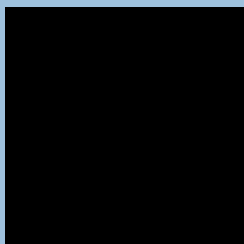
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

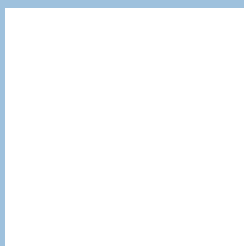
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2217, 50.6295, 75.7429

Background



This preview shows how black text looks on a background with the XYZ color 46.2217, 50.6295, 75.7429.



This preview shows how white text looks on a background with the XYZ color 46.2217, 50.6295,

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

46.2217, 50.6295, 75.7429

Protanopia

49.8231, 50.6177, 72.7899

Deuteranopia

51.4460, 50.4275, 76.8340



Tritanopia

44.8583, 50.7513, 68.4045

Trichromacy



Original Color

46.2217, 50.6295, 75.7429

Protanomaly

48.3080, 50.4558, 73.5225

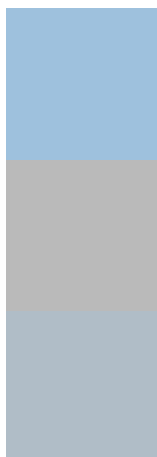
Deuteranomaly

49.3152, 50.2796, 76.2130

Tritanomaly

45.3340, 50.6067, 70.9970

Monochromacy



Original Color

46.2217, 50.6295, 75.7429

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4109, 49.7488, 61.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2217, 50.6295, 75.7429 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(158, 193, 221)` looks like.

```
.text, #text, p{  
    color:rgb(158, 193, 221)  
}
```

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(158, 193, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 193, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.2217, 50.6295, 75.7429 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(158, 193, 221) }
```


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

```
.border{ border-color:rgb(158, 193, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 193, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 193, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 193, 221);  
box-shadow:4px 4px 4px 4px rgb(158, 193,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2217, 50.6295, 75.7429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 193, 221) }
```

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

```
.background{ background-color: rgb(158,  
193, 221) }
```

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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