

Converting Colors

XYZ(46.5498, 53.1467, 75.6039)

Have a look what the booklet for
XYZ(46.5498, 53.1467, 75.6039)
contains.

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Color

**XYZ(46.5214, 53.1513,
75.5174)**

Conversions

Conversions Part 1

Format	Color
Hex	98C8DC
RGB	152, 200, 220
RGB Percent	60%, 78%, 86%
CMY	0.4039, 0.2157, 0.1372
CMYK	0.31, 0.09, 0.00, 0.14
HSL	198°, 49%, 73%
HSV	198°, 31%, 86%
XYZ	46.5214, 53.1513, 75.5174
YIQ	187.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

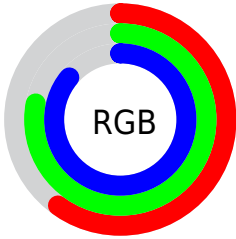
Format	Color
R _{YB}	152, 180, 220
Decimal	10012892
CIE Lab	77.96, -10.98, -15.03
CIE LCh	78, 18.610, 233.853
Yxy	53.1513, 0.2655, 0.3034
Android (android.graphics.Color)	4288202972 (0xFF98C8DC)
YUV	187.9280, 15.8115, -31.5089
Hunter-Lab	72.9049, -13.6809, -10.3811

Details

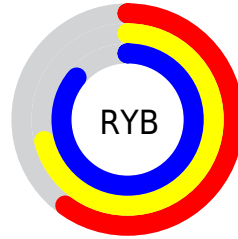
The XYZ color **46.5214, 53.1513, 75.5174** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9358, 46.9880, 36.1446**, and the grayscale version is **47.6877, 50.1712, 54.6364**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **22.2160, 25.9270, 39.4308** is the 20% darker color. If you saturate the color by 10%, you get **41.3130, 48.2899, 74.8545**, and if you desaturate by 10%, it is **52.5602, 58.5375, 76.2397**.

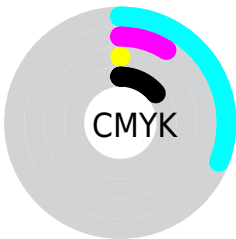
Distribution



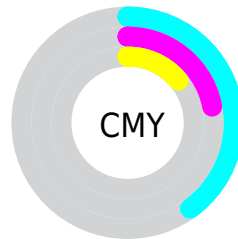
- Red (60%)
- Green (78%)
- Blue (86%)



- Red (60%)
- Yellow (71%)
- Blue (86%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5214, 53.1513, 75.5174 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 46.5214, 53.1513, 75.5174 by changing the saturation by 10% instead.

■ 46.5214, 53.1513,
75.5174

■ 46.5214, 53.1513,
75.5174

363.5818,
398.8653, 498.9968

■ 32.8638, 37.9236,
55.5326

■ 84.2219, 94.8270,
128.7983

■ 22.1809, 25.9234,
39.4268

■ 108.9955,
122.0437, 162.9315

■ 14.1072, 16.7663,
26.7815

138.2052,
154.0255, 202.6179

■ 8.2775, 10.0680,
17.1782

172.2162,
191.1569, 248.2760

■ 4.3263, 5.4441,
10.1984

211.3941,
233.8221, 300.3245

■ 1.8883, 2.5101,
5.4233

256.1041,

■ 0.5700, 0.8817,

282.4057, 359.1817

2.4347

306.7115,
337.2920, 425.2663

■ 0.0000, 0.0000,
0.8052

■ 0.0000, 0.0000,
0.0000

■ 46.5214, 53.1513,
75.5174

■ 46.5214, 53.1513,
75.5174

■ 41.3130, 48.2899,
74.8545

■ 52.5602, 58.5375,
76.2397

■ 36.8870, 43.9235,
74.2450

■ 59.4642, 64.4637,
77.0197

■ 33.1979, 40.0289,
73.6877

■ 67.2724, 70.9524,
77.8606

■ 30.1930, 36.5776,
73.1799

■ 76.0194, 78.0226,
78.7642

■ 27.8123, 33.5375,
72.7185

■ 83.1146, 84.3398,
79.6096

■ 25.9841, 30.8704,
72.3001

■ 84.9732, 88.0570,
80.2291

■ 24.6902, 28.7108,
71.9514

■ 86.8996, 91.9097,
80.8713

■ 88.8945, 95.8995,
81.5362

■ 89.9184, 97.9474,
81.8775

Harmonies

Analogous

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



44.4137, 53.1513, 66.3182



46.5214, 53.1513, 75.5174



49.7767, 53.1513, 80.0526

Triad

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



46.5214, 53.1513, 75.5174



57.7636, 53.1513, 60.0347



47.7546, 53.1513, 41.4817

Complementary

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



46.5214, 53.1513, 75.5174



49.9358, 46.9880, 36.1446

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.



51.2681, 53.1513, 40.2222



46.5214, 53.1513, 75.5174



57.1591, 53.1513, 50.1765

Square

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



46.5214, 53.1513, 75.5174



56.3532, 53.1513, 70.4518



54.7387, 53.1513, 43.2158



45.1015, 53.1513, 46.8879

Rectangle

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



46.5214, 53.1513, 75.5174



52.2045, 53.1513, 79.4762



54.7387, 53.1513, 43.2158



48.8697, 53.1513, 40.5885

Sweetspot

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



46.5230, 53.1534, 75.5186



84.9895, 91.6733, 107.8230



45.9193, 60.8133, 47.9806



17.8644, 19.3469, 23.0427



0.0000, 0.0000, 0.0000



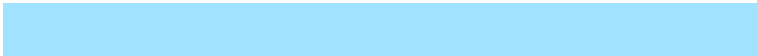
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5230, 53.1534, 75.5186



60.2159, 69.8375, 104.9140



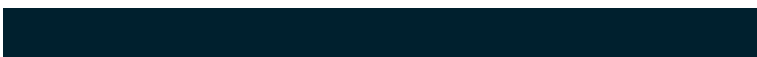
39.6382, 39.3837, 73.2237



13.1047, 14.1491, 16.6925



14.5911, 17.0516, 42.2607



1.0186, 1.2513, 2.7623

Inverse Universe

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



51.1700, 41.8435, 60.0256



67.8239, 52.1876, 79.3549



57.0788, 61.2740, 38.5256



13.4427, 13.2062, 15.5925



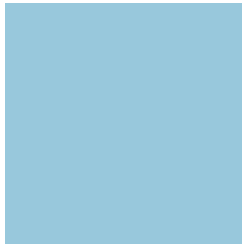
20.8602, 10.3451, 19.4418



1.3884, 0.6850, 1.4543

Previews

White Background



This preview shows how the XYZ color 46.5214, 53.1513, 75.5174 looks on a white background.

Color Contrast Check

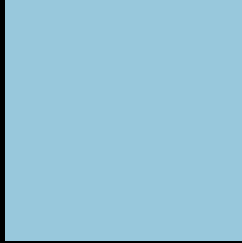
Large Text (above 18pt) WCAG AA × Fail

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 46.5214, 53.1513, 75.5174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

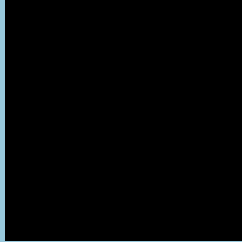
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5214, 53.1513, 75.5174

Background



This preview shows how black text looks on a background with the XYZ color 46.5214, 53.1513, 75.5174.



This preview shows how white text looks on a background with the XYZ color 46.5214, 53.1513,

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

46.5214, 53.1513, 75.5174

Protanopia

51.7547, 52.9355, 71.1081

Deuteranopia

53.8546, 52.6041, 77.1272



Tritanopia

46.1735, 53.3624, 73.5120

Trichromacy



Original Color

46.5214, 53.1513, 75.5174

Protanomaly

49.5910, 52.7715, 72.5380

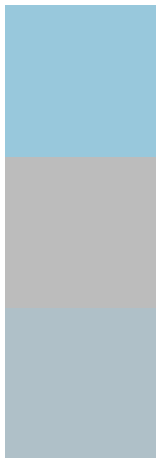
Deuteranomaly

50.8568, 52.6765, 76.5944

Tritanomaly

46.3040, 53.4146, 74.1992

Monochromacy



Original Color

46.5214, 53.1513, 75.5174

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9542, 50.9834, 62.0096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5214, 53.1513, 75.5174 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(152, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(152, 200, 220)  
}
```

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(152, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 200, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.5214, 53.1513, 75.5174 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(152, 200, 220) }
```


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

```
.border{ border-color:rgb(152, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(152, 200,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5214, 53.1513, 75.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 200, 220) }
```

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

```
.background{ background-color: rgb(152,  
200, 220) }
```

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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