

Converting Colors

XYZ(42.1431, 61.1581, 52.2313)

Have a look what the booklet for
XYZ(42.1431, 61.1581, 52.2313)
contains.

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Color

**XYZ(42.1431, 61.1581,
52.2313)**

Conversions

Conversions Part 1

Format	Color
Hex	71E2B3
RGB	113, 226, 179
RGB Percent	44%, 89%, 70%
CMY	0.5569, 0.1137, 0.2980
CMYK	0.50, 0.00, 0.21, 0.11
HSL	155°, 66%, 66%
HSV	155°, 50%, 89%
XYZ	42.1431, 61.1581, 52.2313
YIQ	186.8550, -52.2610, -38.5730

Conversions

Conversions Part 2

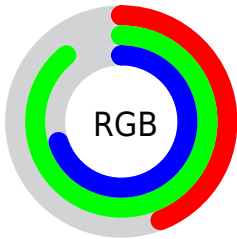
Format	Color
RYB	113, 184, 226
Decimal	7463603
CIELab	82.46, -43.14, 13.20
CIELCh	82, 45.117, 162.984
Yxy	61.1581, 0.2710, 0.3932
Android (android.graphics.Color)	4285653683 (0xFF71E2B3)
YUV	186.8550, -3.8725, -64.7708
Hunter-Lab	78.2036, -40.6647, 15.1435

Details

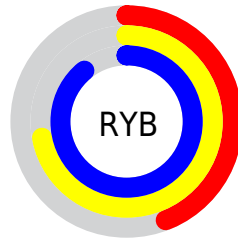
The XYZ color **42.1431, 61.1581, 52.2313** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.6164, 30.5186, 36.8520**, and the grayscale version is **47.1960, 49.6539, 54.0730**.

A 20% lighter version of the original color is **67.5500, 86.1761, 91.6707**, and **19.5568, 30.9859, 24.6888** is the 20% darker color. If you saturate the color by 10%, you get **38.6712, 59.4760, 47.2746**, and if you desaturate by 10%, it is **46.4071, 63.2442, 57.5661**.

Distribution



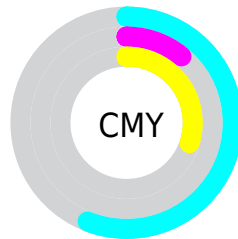
- Red (44%)
- Green (89%)
- Blue (70%)



- Red (44%)
- Yellow (72%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1431, 61.1581, 52.2313 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 42.1431, 61.1581, 52.2313 by changing the saturation by 10% instead.


 42.1431, 61.1581,
52.2313


 42.1431, 61.1581,
52.2313


346.0573,
428.8535, 412.3112


 29.4050, 44.3528,
36.8060


 77.6800, 106.5078,
94.9023

 19.5332, 30.9479,
24.7627


 101.2094,
135.8210, 122.9851

 12.1625, 20.5592,
15.6829


 129.0666,
170.0723, 156.1241

 6.9274, 12.8022,
9.1481

161.6170,
209.6460, 194.7378

 3.4627, 7.2925,
4.7398

199.2259,
254.9266, 239.2449

 1.4029, 3.6457,
2.0394

242.2587,

 0.2583, 1.4774,

306.2984, 290.0638

0.5793

291.0807,
364.1459, 347.6130

■ 0.0000, 0.2727,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1431, 61.1581,
52.2313

■ 42.1431, 61.1581,
52.2313

■ 38.6712, 59.4760,
47.2746

■ 46.4071, 63.2442,
57.5661

■ 35.9303, 58.1618,
42.6825


■ 51.5085, 65.7528,
63.2837


■ 33.8582, 57.1853,
38.4465


■ 57.4950, 68.7100,
69.3940

■ 32.3793, 56.5074,
34.5560


■ 64.4093, 72.1375,
75.9051

 31.3623, 56.0608,
30.9974

 72.2912, 76.0557,
82.8248

 31.3622, 56.0608,
30.9972

 81.1779, 80.4838,
90.1608

 84.8892, 82.2356,
97.6295

 86.3599, 82.8239,
105.3740

 86.4875, 82.8749,
106.0458

Harmonies

Analogous

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



46.3835, 61.1581, 34.8134



42.1431, 61.1581, 52.2313



41.8713, 61.1581, 79.2464

Triad

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



42.1431, 61.1581, 52.2313



62.3945, 61.1581, 132.8795



72.7723, 61.1581, 36.5554

Complementary

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



42.1431, 61.1581, 52.2313



43.6164, 30.5186, 36.8520

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.



78.1290, 61.1581, 55.3598



42.1431, 61.1581, 52.2313



71.7065, 61.1581, 113.4700

Square

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



42.1431, 61.1581, 52.2313



52.8711, 61.1581, 131.3534



77.7187, 61.1581, 83.3668



63.7243, 61.1581, 27.6315

Rectangle

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



42.1431, 61.1581, 52.2313



43.9241, 61.1581, 99.8784



77.7187, 61.1581, 83.3668



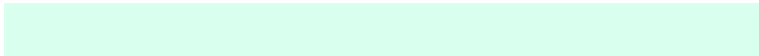
75.1070, 61.1581, 41.6671

Sweetspot

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



42.1448, 61.1606, 52.2327



79.8943, 92.4708, 95.3689



44.6928, 63.0698, 25.4418



16.6944, 19.5912, 20.0268



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.



42.1448, 61.1606, 52.2327



50.6832, 78.1223, 61.9062



45.2451, 58.4153, 80.8450



13.8628, 15.4709, 16.3129



17.9519, 32.0056, 18.0016



1.2886, 2.2362, 1.4811

Inverse Universe

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



43.6164, 30.5186, 36.8520



52.8413, 33.5027, 39.5849



41.3573, 31.3841, 19.5017



13.9425, 13.7946, 15.4674



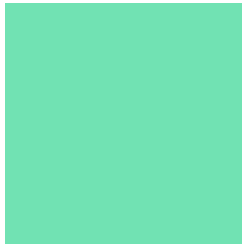
19.1020, 9.7078, 7.2026



1.3679, 0.6904, 0.7301

Previews

White Background



This preview shows how the XYZ color 42.1431, 61.1581, 52.2313 looks on a white background.

Color Contrast Check

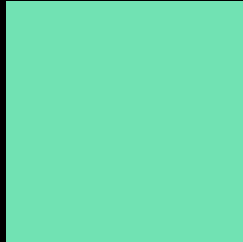
Large Text (above 18pt) WCAG AA × Fail

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 42.1431, 61.1581, 52.2313 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

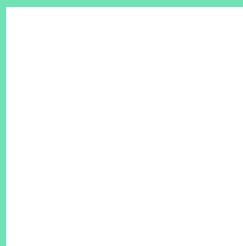
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1431, 61.1581, 52.2313

Background



This preview shows how black text looks on a background with the XYZ color 42.1431, 61.1581, 52.2313.

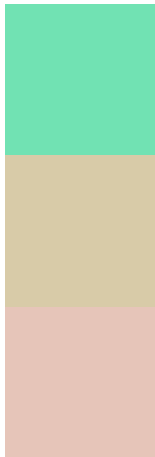


This preview shows how white text looks on a background with the XYZ color 42.1431, 61.1581,

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

42.1431, 61.1581, 52.2313

Protanopia

56.7427, 60.1380, 45.6629

Deuteranopia

61.3563, 60.2583, 54.2961



Tritanopia

49.2650, 60.8661, 88.5087

Trichromacy



Original Color

42.1431, 61.1581, 52.2313



Protanomaly

49.3311, 59.1508, 47.8469



Deuteranomaly

51.5966, 59.0954, 53.4869



Tritanomaly

46.2906, 60.8302, 73.5916

Monochromacy



Original Color

42.1431, 61.1581, 52.2313



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.0356, 52.7076, 53.2001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1431, 61.1581, 52.2313 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(113, 226, 179)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 179)  
}
```

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(113, 226, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.1431, 61.1581, 52.2313 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(113, 226, 179) }
```


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

```
.border{ border-color:rgb(113, 226, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 226, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 226, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 226, 179); box-shadow:4px 4px 4px 4px rgb(113, 226, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1431, 61.1581, 52.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 179) }
```

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

```
.background{ background-color: rgb(113,  
226, 179) }
```

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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