

Converting Colors

XYZ(41.3543, 61.2934, 46.3893)

Have a look what the booklet for
XYZ(41.3543, 61.2934, 46.3893)
contains.

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Color

**XYZ(41.2542, 61.2389,
46.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	71E3A7
RGB	113, 227, 167
RGB Percent	44%, 89%, 65%
CMY	0.5569, 0.1098, 0.3451
CMYK	0.50, 0.00, 0.26, 0.11
HSL	148°, 67%, 67%
HSV	148°, 50%, 89%
XYZ	41.2542, 61.2389, 46.2052
YIQ	186.0740, -48.6840, -42.8280

Conversions

Conversions Part 2

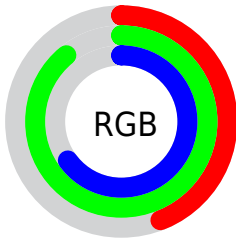
Format	Color
RYB	113, 190, 227
Decimal	7463847
CIELab	82.51, -46.03, 19.55
CIELCh	83, 50.007, 156.991
Yxy	61.2389, 0.2774, 0.4118
Android (android.graphics.Color)	4285653927 (0xFF71E3A7)
YUV	186.0740, -9.4035, -64.0859
Hunter-Lab	78.2553, -42.8461, 19.7714

Details

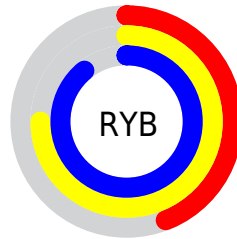
The XYZ color **41.2542, 61.2389, 46.2052** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.1285, 31.1597, 43.1733**, and the grayscale version is **46.7855, 49.2220, 53.6028**.

A 20% lighter version of the original color is **65.7394, 85.4519, 82.1363**, and **19.0736, 31.0937, 21.2161** is the 20% darker color. If you saturate the color by 10%, you get **37.6371, 59.4976, 40.5348**, and if you desaturate by 10%, it is **45.7070, 63.4025, 52.4502**.

Distribution



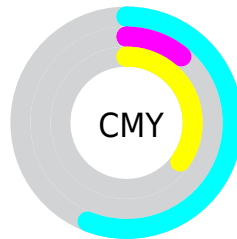
- Red (44%)
- Green (89%)
- Blue (65%)



- Red (44%)
- Yellow (75%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2542, 61.2389, 46.2052 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 41.2542, 61.2389, 46.2052 by changing the saturation by 10% instead.

 41.2542, 61.2389,
46.2052


 41.2542, 61.2389,
46.2052

342.4264,
429.1494, 387.9345


 28.7063, 44.4180,
32.0579


 76.3419, 106.6248,
85.8635

 19.0019, 30.9993,
21.1406


 99.6124, 135.9585,
112.2117

 11.7757, 20.5983,
13.0346


 127.1879,
170.2320, 143.4639

 6.6622, 12.8307,
7.3213

159.4336,
209.8296, 180.0387

 3.2962, 7.3121,
3.5824

196.7150,
255.1358, 222.3546

 1.3123, 3.6580,
1.3992

239.3973,

 0.1924, 1.4842,

306.5349, 270.8302

0.1411

287.8460,
364.4113, 325.8840

■ 0.0000, 0.2775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2542, 61.2389,
46.2052

■ 41.2542, 61.2389,
46.2052

■ 37.6371, 59.4976,
40.5348

■ 45.7070, 63.4025,
52.4502

■ 34.7924, 58.1415,
35.4176


■ 51.0430, 66.0076,
59.2817


■ 32.6556, 57.1391,
30.8370


■ 57.3117, 69.0812,
66.7168


■ 31.1480, 56.4503,
26.7735


■ 64.5576, 72.6458,
74.7704

 30.1518, 56.0131,
23.2779

 72.8221, 76.7226,
83.4567

 82.1443, 81.3315,
92.7897

 86.0656, 83.1426,
102.4789

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



46.6877, 61.2389, 29.8315



41.2542, 61.2389, 46.2052



40.0864, 61.2389, 74.1079

Triad

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



41.2542, 61.2389, 46.2052



60.7451, 61.2389, 143.8880



76.2256, 61.2389, 37.1476

Complementary

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



41.2542, 61.2389, 46.2052



45.1285, 31.1597, 43.1733

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.



81.0975, 61.2389, 59.7634



41.2542, 61.2389, 46.2052



71.4775, 61.2389, 125.6527

Square

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



41.2542, 61.2389, 46.2052



50.5317, 61.2389, 136.9108



79.2614, 61.2389, 92.4512



66.6198, 61.2389, 25.8313

Rectangle

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



41.2542, 61.2389, 46.2052



41.7363, 61.2389, 97.1414



79.2614, 61.2389, 92.4512



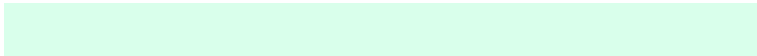
78.5216, 61.2389, 43.3605

Sweetspot

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



41.2558, 61.2414, 46.2066



79.2773, 92.2240, 92.1200



47.8628, 65.1088, 25.6682



16.5459, 19.5318, 19.2449



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.



41.2558, 61.2414, 46.2066



48.9256, 77.4192, 52.6509



47.6274, 63.7900, 79.7588



14.4721, 16.2023, 16.7510



17.6420, 32.6889, 13.8808



1.3503, 2.4343, 1.2714

Inverse Universe

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



45.1285, 31.1597, 43.1733



54.4895, 34.1620, 48.2646



40.7845, 29.4221, 20.2983



14.6923, 14.4941, 16.5802



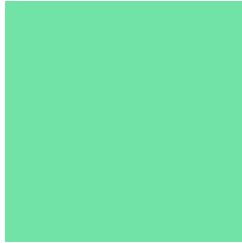
20.4931, 10.3315, 11.4918



1.5613, 0.7822, 1.0961

Previews

White Background



This preview shows how the XYZ color 41.2542, 61.2389, 46.2052 looks on a white background.

Color Contrast Check

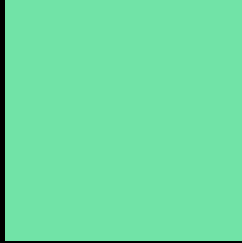
Large Text (above 18pt) WCAG AA × Fail

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 41.2542, 61.2389, 46.2052 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

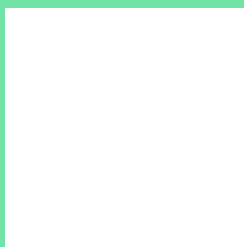
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2542, 61.2389, 46.2052

Background



This preview shows how black text looks on a background with the XYZ color 41.2542, 61.2389, 46.2052.

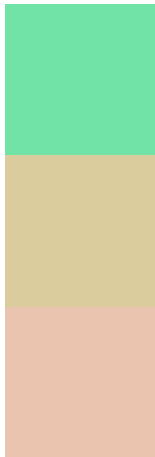


This preview shows how white text looks on a background with the XYZ color 41.2542, 61.2389,

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**

41.2542, 61.2389, 46.2052

Protanopia

56.5071, 60.4915, 40.1503

Deuteranopia

61.3116, 60.0283, 48.3995



Tritanopia

49.5718, 61.0242, 88.5230

Trichromacy



Original Color

41.2542, 61.2389, 46.2052



Protanomaly

48.7110, 59.3283, 42.1419



Deuteranomaly

50.8987, 58.5131, 47.1396



Tritanomaly

45.9265, 60.7011, 70.9239

Monochromacy



Original Color

41.2542, 61.2389, 46.2052



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.3214, 52.3989, 50.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2542, 61.2389, 46.2052 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, 227, 167)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 167)  
}
```

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, 227, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 167) }
```

Border

The CSS property to change the border of an element to XYZ 41.2542, 61.2389, 46.2052 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, 227, 167) }
```


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

```
.border{ border-color:rgb(113, 227, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 227, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 227, 167); box-shadow:4px 4px 4px 4px rgb(113, 227, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2542, 61.2389, 46.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 167) }
```

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

```
.background{ background-color: rgb(113,  
227, 167) }
```

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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