

Converting Colors

XYZ(46.1026, 53.2120, 46.3413)

Have a look what the booklet for
XYZ(46.1026, 53.2120, 46.3413)
contains.

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Color

**XYZ(46.1342, 53.2521,
46.3752)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C7AB
RGB	178, 199, 171
RGB Percent	70%, 78%, 67%
CMY	0.3020, 0.2196, 0.3294
CMYK	0.11, 0.00, 0.14, 0.22
HSL	105°, 20%, 73%
HSV	105°, 14%, 78%
XYZ	46.1342, 53.2521, 46.3752
YIQ	189.5290, -3.5280, -13.1600

Conversions

Conversions Part 2

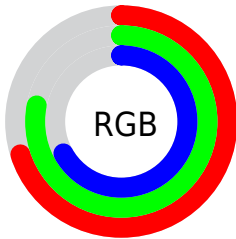
Format	Color
R _{YB}	171, 199, 192
Decimal	11716523
CIE Lab	78.02, -12.33, 11.63
CIE LCh	78, 16.950, 136.667
Yxy	53.2521, 0.3165, 0.3653
Android (android.graphics.Color)	4289906603 (0xFFB2C7AB)
YUV	189.5290, -9.1348, -10.1109
Hunter-Lab	72.9740, -14.8568, 13.4029

Details

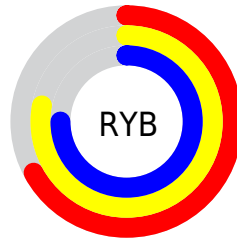
The XYZ color **46.1342, 53.2521, 46.3752** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.6121, 44.4573, 60.1600**, and the grayscale version is **48.7263, 51.2638, 55.8263**.

A 20% lighter version of the original color is **83.4192, 94.5034, 85.7958**, and **21.9126, 25.9427, 21.3053** is the 20% darker color. If you saturate the color by 10%, you get **41.1382, 50.8810, 36.9740**, and if you desaturate by 10%, it is **51.7914, 55.9341, 57.3004**.

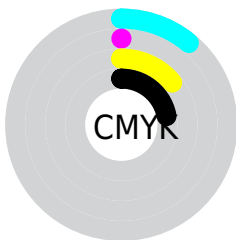
Distribution



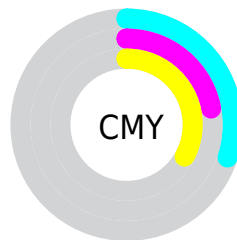
- Red (70%)
- Green (78%)
- Blue (67%)



- Red (67%)
- Yellow (78%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)





- Cyan (30%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1342, 53.2521, 46.3752 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 46.1342, 53.2521, 46.3752 by changing the saturation by 10% instead.


 46.1342, 53.2521,
46.3752

 46.1342, 53.2521,
46.3752


362.0548,
399.2516, 388.6363

 32.5568, 38.0041,
32.1912


 83.6464, 94.9752,
86.1204

 21.9448, 25.9858,
21.2416


108.3120,
122.2191, 112.5187

 13.9327, 16.8130,
13.1077


137.4043,
154.2304, 143.8256

 8.1553, 10.1013,
7.3712

171.2888,
191.3935, 180.4594

 4.2471, 5.4662,
3.6133

210.3307,
234.0927, 222.8389

 1.8429, 2.5233,
1.4157

254.8954,

 0.5433, 0.8883,

282.7126, 271.3825

0.1539

305.3483,
337.6374, 326.5088

■ 0.0000, 0.0000,
0.0000

■ 46.1342, 53.2521,
46.3752

■ 46.1342, 53.2521,
46.3752

■ 41.1382, 50.8810,
36.9740

■ 51.7914, 55.9341,
57.3004

■ 36.7745, 48.8029,
29.0258

■ 58.1289, 58.9309,
69.8093

■ 33.0183, 47.0079,
22.4589

■ 65.1700, 62.2547,
83.9630

■ 29.8416, 45.4835,
17.1946

■ 72.9359, 65.9153,
99.8181

■ 27.2139, 44.2158,
13.1458

■ 78.8487, 68.8827,
103.7476

■ 25.1019, 43.1897,
10.2151

■ 79.7145, 69.3290,
103.7882

■ 23.4681, 42.3884,
8.2900

■ 22.2691, 41.7924,
7.2344

■ 21.7272, 41.5205,
6.8691

Harmonies

Analogous

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



48.8148, 53.2521, 42.2454



46.1342, 53.2521, 46.3752



44.6830, 53.2521, 53.8884

Triad

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



46.1342, 53.2521, 46.3752



49.1640, 53.2521, 77.5422



56.9455, 53.2521, 52.9208

Complementary

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



46.1342, 53.2521, 46.3752



46.6121, 44.4573, 60.1600

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.



57.0491, 53.2521, 62.2788



46.1342, 53.2521, 46.3752



52.4579, 53.2521, 77.2102

Square

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



46.1342, 53.2521, 46.3752



46.3802, 53.2521, 72.2439



55.3759, 53.2521, 71.3810



55.0990, 53.2521, 45.7335

Rectangle

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



46.1342, 53.2521, 46.3752



44.5651, 53.2521, 60.1198



55.3759, 53.2521, 71.3810



57.1881, 53.2521, 55.8964

Sweetspot

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



46.1356, 53.2544, 46.3764



90.6921, 97.9381, 100.3502



49.7557, 52.7840, 46.0948



19.2411, 20.8820, 21.1459



0.0000, 0.0000, 0.0000



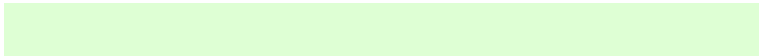
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1356, 53.2544, 46.3764



77.8727, 91.8622, 75.6830



45.2555, 52.7215, 49.9117



10.7418, 12.0138, 11.3155



14.0389, 26.7326, 4.4200



0.7335, 1.3013, 0.2125

Inverse Universe

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



46.6121, 44.4573, 60.1600



78.8714, 73.3947, 104.6174



47.6325, 45.0751, 56.0613



10.8142, 10.6780, 13.4086



14.7127, 6.8189, 35.2851



0.7600, 0.3555, 1.6737

Previews

White Background



This preview shows how the XYZ color 46.1342, 53.2521, 46.3752 looks on a white background.

Color Contrast Check

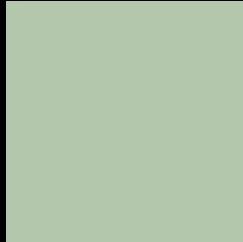
Large Text (above 18pt) WCAG AA × Fail

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 46.1342, 53.2521, 46.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

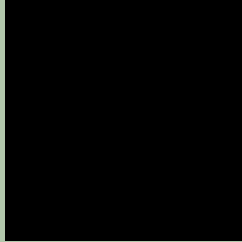
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

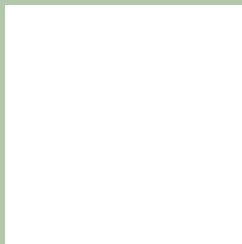
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1342, 53.2521, 46.3752

Background



This preview shows how black text looks on a background with the XYZ color 46.1342, 53.2521, 46.3752.



This preview shows how white text looks on a background with the XYZ color 46.1342, 53.2521, 46.3752.

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

46.1342, 53.2521, 46.3752

Protanopia

50.1818, 53.0459, 44.1532

Deuteranopia

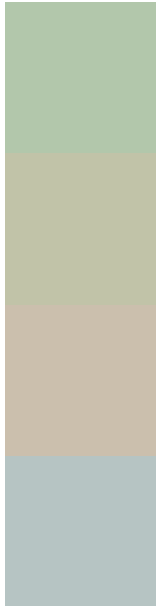
54.1123, 53.0792, 47.4377



Tritanopia

50.5676, 53.3774, 67.9593

Trichromacy



Original Color

46.1342, 53.2521, 46.3752

Protanomaly

48.5753, 53.1948, 44.7532

Deuteranomaly

50.8022, 52.9752, 47.0828

Tritanomaly

48.8817, 53.3651, 59.3539

Monochromacy



Original Color

46.1342, 53.2521, 46.3752

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8669, 51.9979, 52.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1342, 53.2521, 46.3752 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(178, 199, 171)` looks like.

```
.text, #text, p{  
    color:rgb(178, 199, 171)  
}
```

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(178, 199, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 199, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.1342, 53.2521, 46.3752 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(178, 199, 171) }
```


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

```
.border{ border-color:rgb(178, 199, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 199, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 199, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 199, 171);  
box-shadow:4px 4px 4px 4px rgb(178, 199,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1342, 53.2521, 46.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 199, 171) }
```

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

```
.background{ background-color: rgb(178,  
199, 171) }
```

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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