

Converting Colors

XYZ(30.9768, 46.2227, 41.4725)

Have a look what the booklet for
XYZ(30.9768, 46.2227, 41.4725)
contains.

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Color

**XYZ(30.9755, 46.2209,
41.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	53C9A2
RGB	83, 201, 162
RGB Percent	33%, 79%, 64%
CMY	0.6745, 0.2118, 0.3647
CMYK	0.59, 0.00, 0.19, 0.21
HSL	160°, 52%, 56%
HSV	160°, 59%, 79%
XYZ	30.9755, 46.2209, 41.4714
YIQ	161.2720, -57.8090, -37.1450

Conversions

Conversions Part 2

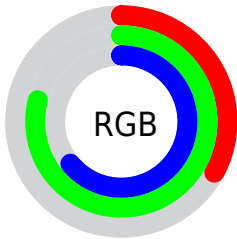
Format	Color
RYB	83, 154, 201
Decimal	5491106
CIELab	73.69, -42.51, 9.66
CIELCh	74, 43.590, 167.195
Yxy	46.2209, 0.2610, 0.3895
Android (android.graphics.Color)	4283681186 (0xFF53C9A2)
YUV	161.2720, 0.3589, -68.6445
Hunter-Lab	67.9860, -37.6479, 11.4233

Details

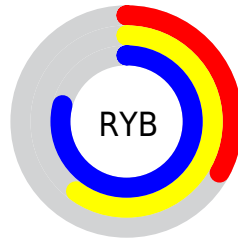
The XYZ color **30.9755, 46.2209, 41.4714** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.6950, 20.0103, 20.6586**, and the grayscale version is **34.0215, 35.7933, 38.9789**.

A 20% lighter version of the original color is **59.4397, 82.2805, 78.3946**, and **13.0934, 21.6836, 18.2471** is the 20% darker color. If you saturate the color by 10%, you get **28.8777, 45.2071, 38.3721**, and if you desaturate by 10%, it is **33.6211, 47.5159, 44.7613**.

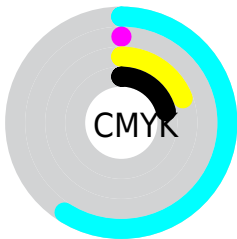
Distribution



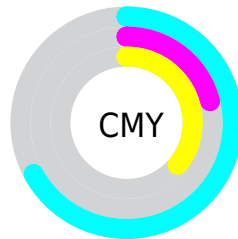
- Red (33%)
- Green (79%)
- Blue (64%)



- Red (33%)
- Yellow (60%)
- Blue (79%)



- Cyan (59%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)



- Cyan (67%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9755, 46.2209, 41.4714 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 30.9755, 46.2209, 41.4714 by changing the saturation by 10% instead.

■ 30.9755, 46.2209,
41.4714

■ 30.9755, 46.2209,
41.4714

298.2543,
371.6960, 368.0218

■ 20.7319, 32.4202,
28.3651

■ 60.5776, 84.5495,
78.6604

■ 13.0395, 21.6826,
18.3597

■ 80.6668, 109.8462,
103.5802

■ 7.5330, 13.6239,
11.0364

■ 104.7687,
139.7436, 133.2750

■ 3.8469, 7.8595,
5.9768

■ 133.2485,
174.6262, 168.1632

■ 1.6159, 4.0052,
2.7624

166.4716,
214.8783, 208.6635

■ 0.4027, 1.6765,
0.9747

204.8034,

■ 0.0000, 0.4084,

260.8844, 255.1943

0.0000

248.6092,
313.0288, 308.1742

■ 0.0000, 0.0000,
0.0000

■ 30.9755, 46.2209,
41.4714

■ 30.9755, 46.2209,
41.4714

■ 28.8777, 45.2071,
38.3721

■ 33.6211, 47.5159,
44.7613

■ 27.2775, 44.4450,
35.4555

■ 36.8513, 49.1074,
48.2428

■ 26.1218, 43.9087,
32.7176

■ 40.7045, 51.0163,
51.9213

■ 25.3233, 43.5530,
30.1516

■ 45.2141, 53.2600,
55.8005

■ 25.2302, 43.5120,
29.8311

■ 50.4115, 55.8543,
59.8842

■ 56.3258, 58.8144,
64.1760

■ 62.9845, 62.1543,
68.6795

■ 70.4136, 65.8874,
73.3979

■ 75.2847, 68.2978,
78.1777

Harmonies

Analogous

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



33.9058, 46.2209, 26.5931



30.9755, 46.2209, 41.4714



31.2095, 46.2209, 63.9863

Triad

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



30.9755, 46.2209, 41.4714



48.4729, 46.2209, 102.9151



54.8227, 46.2209, 25.1144

Complementary

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



30.9755, 46.2209, 41.4714



30.6950, 20.0103, 20.6586

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.



59.7119, 46.2209, 38.7642



30.9755, 46.2209, 41.4714



55.7612, 46.2209, 85.1388

Square

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



30.9755, 46.2209, 41.4714



40.7197, 46.2209, 104.2808



60.0743, 46.2209, 60.3605



47.3081, 46.2209, 19.1881

Rectangle

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



30.9755, 46.2209, 41.4714



33.1254, 46.2209, 80.6889



60.0743, 46.2209, 60.3605



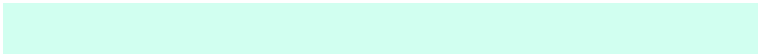
56.8642, 46.2209, 28.7334

Sweetspot

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



30.9768, 46.2227, 41.4725



77.7856, 91.3710, 95.8416



30.5227, 46.5617, 15.5629



16.1326, 19.2997, 20.0859



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.



30.9768, 46.2227, 41.4725



48.7444, 77.0627, 64.5310



30.7030, 39.2412, 61.2165



10.7919, 12.0056, 12.8542



15.9070, 27.3752, 18.9867



0.7857, 1.3092, 1.0700

Inverse Universe

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



30.6950, 20.0103, 20.6586



48.2674, 28.2614, 26.0171



30.4673, 22.6776, 10.9557



10.7760, 10.6938, 11.8039



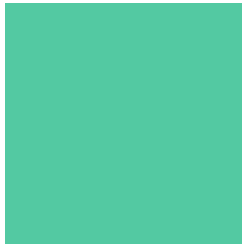
15.8097, 8.0735, 4.2079



0.7823, 0.3957, 0.3766

Previews

White Background



This preview shows how the XYZ color 30.9755, 46.2209, 41.4714 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 30.9755, 46.2209, 41.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

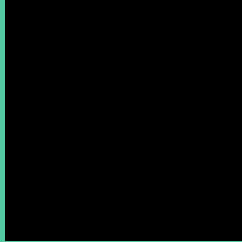
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9755, 46.2209, 41.4714

Background



This preview shows how black text looks on a background with the XYZ color 30.9755, 46.2209, 41.4714.



This preview shows how white text looks on a background with the XYZ color 30.9755, 46.2209,

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

30.9755, 46.2209, 41.4714

Protanopia

42.6923, 45.2934, 35.7705

Deuteranopia

46.5611, 45.6558, 43.4042



Tritanopia

36.1802, 45.9460, 67.9343

Trichromacy



Original Color

30.9755, 46.2209, 41.4714



Protanomaly

36.2644, 44.3912, 37.6674



Deuteranomaly

38.3215, 44.4051, 42.6277



Tritanomaly

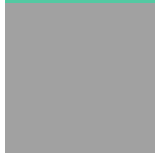
34.2080, 46.1624, 57.5594

Monochromacy



Original Color

30.9755, 46.2209, 41.4714



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.6312, 38.6104, 39.5036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9755, 46.2209, 41.4714 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(83, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(83, 201, 162)  
}
```

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(83, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 201, 162) }
```

Border

The CSS property to change the border of an element to XYZ 30.9755, 46.2209, 41.4714 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(83, 201, 162) }
```


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

```
.border{ border-color:rgb(83, 201, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 201, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(83, 201,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9755, 46.2209, 41.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 201, 162) }
```

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

```
.background{ background-color: rgb(83, 201,  
162) }
```

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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