

Converting Colors

XYZ(35.1853, 52.1182, 42.3468)

Have a look what the booklet for
XYZ(35.1853, 52.1182, 42.3468)
contains.

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Color

**XYZ(35.0714, 51.9065,
42.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	64D3A2
RGB	100, 211, 162
RGB Percent	39%, 83%, 64%
CMY	0.6078, 0.1725, 0.3647
CMYK	0.53, 0.00, 0.23, 0.17
HSL	154°, 56%, 61%
HSV	154°, 53%, 83%
XYZ	35.0714, 51.9065, 42.3529
YIQ	172.2250, -50.4270, -38.7710

Conversions

Conversions Part 2

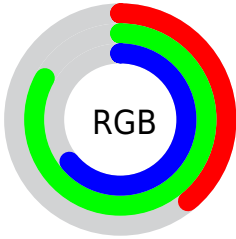
Format	Color
RYB	100, 171, 211
Decimal	6607778
CIELab	77.22, -43.21, 14.74
CIELCh	77, 45.650, 161.165
Yxy	51.9065, 0.2712, 0.4013
Android (android.graphics.Color)	4284797858 (0xFF64D3A2)
YUV	172.2250, -5.0409, -63.3413
Hunter-Lab	72.0462, -39.1887, 15.5782

Details

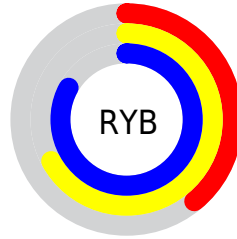
The XYZ color **35.0714, 51.9065, 42.3529** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.8477, 25.1344, 31.3452**, and the grayscale version is **39.3709, 41.4212, 45.1077**.

A 20% lighter version of the original color is **62.3849, 83.7989, 78.5324**, and **15.4305, 25.2778, 18.8177** is the 20% darker color. If you saturate the color by 10%, you get **32.2355, 50.5381, 38.0574**, and if you desaturate by 10%, it is **38.5758, 53.6152, 47.0021**.

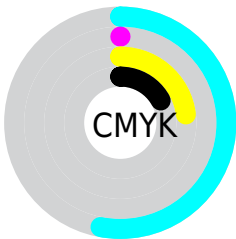
Distribution



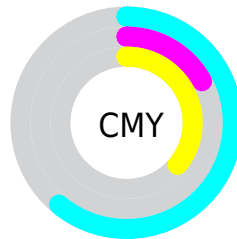
- Red (39%)
- Green (83%)
- Blue (64%)



- Red (39%)
- Yellow (67%)
- Blue (83%)



- Cyan (53%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)



- Cyan (61%)
- Magenta (17%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0714, 51.9065, 42.3529 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 35.0714, 51.9065, 42.3529 by changing the saturation by 10% instead.

■ 35.0714, 51.9065,
42.3529

■ 35.0714, 51.9065,
42.3529

316.3859,
394.0755, 371.7865

■ 23.8847, 36.9306,
29.0501

■ 66.9297, 92.9933,
80.0093

■ 15.3724, 25.1537,
18.8728

■ 88.3319, 119.8730,
105.2000

■ 9.1691, 16.1916,
11.4025

■ 113.8700,
151.4894, 135.1903

■ 4.9097, 9.6599,
6.2207

■ 143.9093,
188.2268, 170.3989

■ 2.2286, 5.1740,
2.9088

178.8152,
230.4698, 211.2443

■ 0.7577, 2.3497,
1.0483

218.9530,

■ 0.0000, 0.7998,

278.6026, 258.1450

0.0000

264.6881,
333.0098, 311.5195

■ 0.0000, 0.0000,
0.0000

■ 35.0714, 51.9065,
42.3529

■ 35.0714, 51.9065,
42.3529

■ 32.2355, 50.5381,
38.0574

■ 38.5758, 53.6152,
47.0021

■ 30.0148, 49.4785,
34.1030

■ 42.7882, 55.6803,
52.0103

■ 28.3546, 48.7010,
30.4810

■ 47.7502, 58.1244,
57.3870

■ 27.1874, 48.1712,
27.1809

■ 53.4986, 60.9664,
63.1401

■ 26.5566, 47.8950,
24.9394

■ 60.0677, 64.2239,
69.2774

■ 67.4900, 67.9134,
75.8065

■ 75.7959, 72.0505,
82.7345

■ 79.7513, 73.9369,
89.8221

■ 81.1445, 74.4941,
97.1587

Harmonies

Analogous

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



39.0749, 51.9065, 27.4642



35.0714, 51.9065, 42.3529



34.6098, 51.9065, 66.3642

Triad

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



35.0714, 51.9065, 42.3529



52.6636, 51.9065, 118.1472



63.1070, 51.9065, 30.3767

Complementary

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



35.0714, 51.9065, 42.3529



36.8477, 25.1344, 31.3452

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.



67.7385, 51.9065, 47.6961



35.0714, 51.9065, 42.3529



61.2515, 51.9065, 101.0724

Square

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



35.0714, 51.9065, 42.3529



44.1039, 51.9065, 115.4425



67.0219, 51.9065, 73.5327



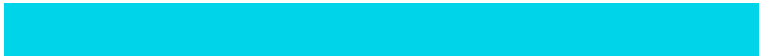
54.9654, 51.9065, 22.0944

Rectangle

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



35.0714, 51.9065, 42.3529



36.3012, 51.9065, 85.2801



67.0219, 51.9065, 73.5327



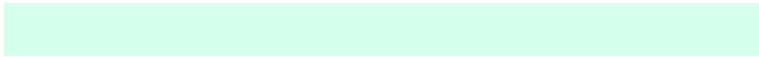
65.1671, 51.9065, 35.0802

Sweetspot

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



35.0728, 51.9086, 42.3541



78.8344, 91.9600, 93.7071



38.1647, 53.9902, 20.4670



16.4787, 19.4879, 19.6628



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.



35.0728, 51.9086, 42.3541



49.0722, 77.3823, 57.7414



38.9542, 51.2929, 69.4779



11.9288, 13.3153, 13.9814



16.0786, 28.9244, 15.3259



0.9386, 1.6331, 1.0653

Inverse Universe

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



36.8477, 25.1344, 31.3452



52.0900, 32.0542, 39.1679



34.2735, 24.9858, 15.0737



12.0224, 11.8937, 13.3940



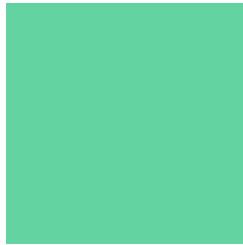
17.4585, 8.8562, 7.3204



1.0158, 0.5110, 0.6179

Previews

White Background



This preview shows how the XYZ color 35.0714, 51.9065, 42.3529 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 35.0714, 51.9065, 42.3529 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 35.0714, 51.9065, 42.3529

Background



This preview shows how black text looks on a background with the XYZ color 35.0714, 51.9065, 42.3529.



This preview shows how white text looks on a background with the XYZ color 35.0714, 51.9065,

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

35.0714, 51.9065, 42.3529

Protanopia

47.8709, 51.0471, 36.6082

Deuteranopia

52.0257, 51.1412, 44.1750



Tritanopia

41.6103, 51.6611, 75.4886

Trichromacy



Original Color

35.0714, 51.9065, 42.3529



Protanomaly

41.1925, 50.1916, 38.5272



Deuteranomaly

43.1865, 49.7773, 43.4082



Tritanomaly

38.9357, 51.6456, 61.9493

Monochromacy



Original Color

35.0714, 51.9065, 42.3529



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.4808, 44.0560, 43.6267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0714, 51.9065, 42.3529 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(100, 211, 162)` looks like.

```
.text, #text, p{  
    color:rgb(100, 211, 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(100, 211, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 211, 162) }
```

Border

The CSS property to change the border of an element to XYZ 35.0714, 51.9065, 42.3529 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(100, 211, 162) }
```


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

```
.border{ border-color:rgb(100, 211, 162) }
```

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

Here you see how a box with a 4 pixel rgb(100, 211, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 211, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 211, 162);  
box-shadow:4px 4px 4px 4px rgb(100, 211,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0714, 51.9065, 42.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 211, 162) }
```

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

```
.background{ background-color: rgb(100,  
211, 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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