

Converting Colors

XYZ(23.5261, 35.5099, 30.5725)

Have a look what the booklet for
XYZ(23.5261, 35.5099, 30.5725)
contains.

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Color

**XYZ(23.5262, 35.5114,
30.4254)**

Conversions

Conversions Part 1

Format	Color
Hex	48B38C
RGB	72, 179, 140
RGB Percent	28%, 70%, 55%
CMY	0.7176, 0.2980, 0.4510
CMYK	0.60, 0.00, 0.22, 0.30
HSL	158°, 43%, 49%
HSV	158°, 60%, 70%
XYZ	23.5262, 35.5114, 30.4254
YIQ	142.5610, -51.2530, -34.8130

Conversions

Conversions Part 2

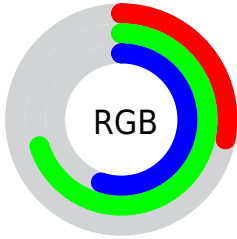
Format	Color
RYB	72, 137, 179
Decimal	4764556
CIELab	66.14, -40.14, 10.88
CIELCh	66, 41.584, 164.840
Yxy	35.5114, 0.2630, 0.3969
Android (android.graphics.Color)	4282954636 (0xFF48B38C)
YUV	142.5610, -1.2626, -61.8820
Hunter-Lab	59.5914, -33.8147, 11.4425

Details

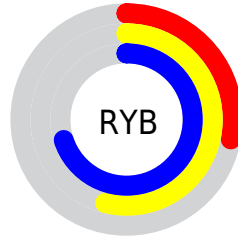
The XYZ color **23.5262, 35.5114, 30.4254** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.7782, 15.3669, 16.7530**, and the grayscale version is **25.9539, 27.3055, 29.7357**.

A 20% lighter version of the original color is **48.6519, 68.0575, 61.6111**, and **9.1791, 15.4054, 12.1626** is the 20% darker color. If you saturate the color by 10%, you get **21.9142, 34.7353, 27.9131**, and if you desaturate by 10%, it is **25.5571, 36.5020, 33.1079**.

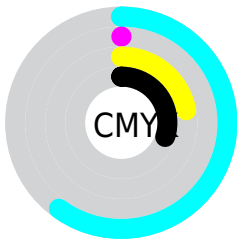
Distribution



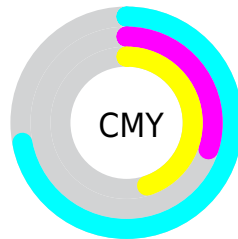
- Red (28%)
- Green (70%)
- Blue (55%)



- Red (28%)
- Yellow (54%)
- Blue (70%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)



- Cyan (72%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5262, 35.5114, 30.4254 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 23.5262, 35.5114, 30.4254 by changing the saturation by 10% instead.

■ 23.5262, 35.5114,
30.4254

■ 23.5262, 35.5114,
30.4254

262.9014,
326.8199, 318.1511

■ 15.1054, 24.0571,
19.9069

■ 48.7162, 68.2773,
61.4032

■ 8.9802, 15.3760,
12.1440

■ 66.2161, 90.3576,
82.6996

■ 4.7852, 9.0837,
6.7181

■ 87.4731, 116.7487,
108.4258

■ 2.1553, 4.7958,
3.2107

■ 112.8525,
147.8350, 139.0001

■ 0.7190, 2.1280,
1.2032

■ 142.7197,
184.0009, 174.8413

■ 0.0000, 0.6803,
0.0000

177.4400,

■ 0.0000, 0.0000,

225.6307, 216.3679

0.0000

217.3788,
273.1089, 263.9983

■ 23.5262, 35.5114,
30.4254

■ 23.5262, 35.5114,
30.4254

■ 21.9142, 34.7353,
27.9131

■ 25.5571, 36.5020,
33.1079

■ 20.6830, 34.1513,
25.5641

■ 28.0352, 37.7189,
35.9619

■ 19.7921, 33.7395,
23.3749

■ 30.9894, 39.1778,
38.9921

■ 19.1575, 33.4568,
21.3388

■ 34.4454, 40.8920,
42.2021

■ 19.1442, 33.4509,
21.2948

■ 38.4271, 42.8737,
45.5952

■ 42.9566, 45.1342,
49.1749

■ 48.0549, 47.6843,
52.9442

■ 53.7418, 50.5342,
56.9063

■ 60.0362, 53.6936,
61.0643

Harmonies

Analogous

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



26.0423, 35.5114, 19.1948



23.5262, 35.5114, 30.4254



23.5127, 35.5114, 48.0612

Triad

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



23.5262, 35.5114, 30.4254



36.8908, 35.5114, 81.8162



42.9068, 35.5114, 19.2793

Complementary

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



23.5262, 35.5114, 30.4254



23.7782, 15.3669, 16.7530

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.



46.6025, 35.5114, 30.5825



23.5262, 35.5114, 30.4254



42.8516, 35.5114, 68.1928

Square

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



23.5262, 35.5114, 30.4254



30.7370, 35.5114, 81.7349



46.5811, 35.5114, 48.2742



36.9590, 35.5114, 14.2288

Rectangle

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



23.5262, 35.5114, 30.4254



24.9026, 35.5114, 61.5689



46.5811, 35.5114, 48.2742



44.4841, 35.5114, 22.2901

Sweetspot

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



23.5272, 35.5128, 30.4262



62.6778, 73.7254, 76.4535



23.8758, 36.1043, 11.8417



13.4607, 16.1224, 16.5602



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5272, 35.5128, 30.4262



38.4140, 61.8103, 48.5096



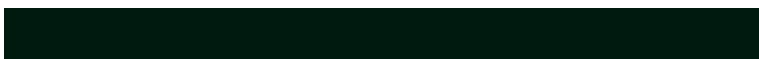
24.2173, 31.4479, 47.4432



8.6086, 9.5779, 10.1984



13.5597, 23.6499, 15.2162



0.4535, 0.7549, 0.6201

Inverse Universe

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



23.7782, 15.3669, 16.7530



38.9415, 22.4449, 21.9756



23.1103, 16.7507, 8.1465



8.6201, 8.5548, 9.4980



13.8450, 7.0556, 4.3439



0.4643, 0.2335, 0.2875

Previews

White Background



This preview shows how the XYZ color 23.5262, 35.5114, 30.4254 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 23.5262, 35.5114, 30.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

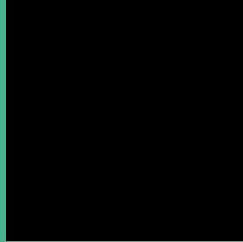
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.5262, 35.5114, 30.4254

Background



This preview shows how black text looks on a background with the XYZ color 23.5262, 35.5114, 30.4254.



This preview shows how white text looks on a background with the XYZ color 23.5262, 35.5114,

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

23.5262, 35.5114, 30.4254

Protanopia

32.7896, 34.8430, 26.1163

Deuteranopia

35.4888, 34.8588, 31.6460



Tritanopia

27.9377, 35.5497, 52.4030

Trichromacy



Original Color

23.5262, 35.5114, 30.4254



Protanomaly

27.7708, 34.0620, 27.6652



Deuteranomaly

29.0396, 33.8403, 30.9879



Tritanomaly

26.0653, 35.3561, 43.4808

Monochromacy



Original Color

23.5262, 35.5114, 30.4254



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.1071, 29.5118, 30.0170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5262, 35.5114, 30.4254 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(72, 179, 140)` looks like.

```
.text, #text, p{  
    color:rgb(72, 179, 140)  
}
```

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(72, 179, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 179, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.5262, 35.5114, 30.4254 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(72, 179, 140) }
```


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

```
.border{ border-color:rgb(72, 179, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 179, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 179, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 179, 140); box-shadow:4px 4px 4px 4px rgb(72, 179, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5262, 35.5114, 30.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 179, 140) }
```

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

```
.background{ background-color: rgb(72, 179,  
140) }
```

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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