

Converting Colors

XYZ(14.5574, 12.0965, 52.1499)

Have a look what the booklet for
XYZ(14.5574, 12.0965, 52.1499)
contains.

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Color

**XYZ(14.5350, 12.0624,
52.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	2D5CC1
RGB	45, 92, 193
RGB Percent	18%, 36%, 76%
CMY	0.8235, 0.6392, 0.2431
CMYK	0.77, 0.52, 0.00, 0.24
HSL	221°, 62%, 47%
HSV	221°, 77%, 76%
XYZ	14.5350, 12.0624, 52.0143
YIQ	89.4610, -60.4330, 21.4470

Conversions

Conversions Part 2

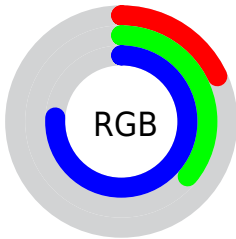
Format	Color
R _Y B	45, 81, 193
Decimal	2972865
CIE Lab	41.32, 20.33, -57.53
CIE LCh	41, 61.013, 289.466
Yxy	12.0624, 0.1849, 0.1534
Android (android.graphics.Color)	4281162945 (0xFF2D5CC1)
YUV	89.4610, 51.0447, -38.9923
Hunter-Lab	34.7310, 13.9235, -64.4831

Details

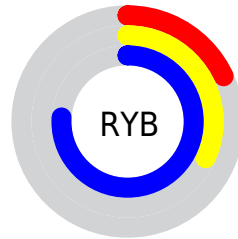
The XYZ color **14.5350, 12.0624, 52.0143** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **32.7473, 32.0890, 6.9517**, and the grayscale version is **9.4984, 9.9931, 10.8825**.

A 20% lighter version of the original color is **33.6104, 29.6929, 94.4023**, and **5.6040, 3.8680, 24.4960** is the 20% darker color. If you saturate the color by 10%, you get **12.8280, 9.6333, 51.6357**, and if you desaturate by 10%, it is **16.8296, 15.0890, 52.4779**.

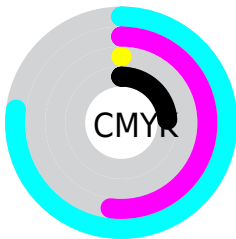
Distribution



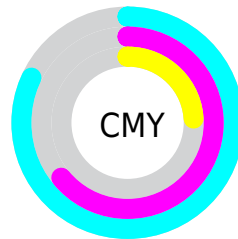
- Red (18%)
- Green (36%)
- Blue (76%)



- Red (18%)
- Yellow (32%)
- Blue (76%)



- Cyan (77%)
- Magenta (52%)
- Yellow (0%)
- Black (24%)



- Cyan (82%)
- Magenta (64%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5350, 12.0624, 52.0143 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 14.5350, 12.0624, 52.0143 by changing the saturation by 10% instead.

■ 14.5350, 12.0624,
52.0143

■ 14.5350, 12.0624,
52.0143

213.9788,
204.8180, 411.4503

■ 8.5779, 6.7862,
36.6342

■ 33.6137, 29.6087,
94.5791

■ 4.5218, 3.3287,
24.6308

■ 47.4661, 42.6476,
122.6009

■ 2.0013, 1.3057,
15.5857

■ 64.6808, 59.0428,
155.6736

■ 0.6347, 0.1456,
9.0803

■ 85.6234, 79.1788,
194.2158

■ 0.0000, 0.0000,
4.6961

■ 110.6591,
103.4399, 238.6460

■ 0.0000, 0.0000,
2.0145

140.1534,

■ 0.0000, 0.0000,

132.2105, 289.3828

0.5641

174.4715,
165.8751, 346.8448

■ 0.0000, 0.0000,
0.0000

■ 14.5350, 12.0624,
52.0143

■ 14.5350, 12.0624,
52.0143

■ 12.8280, 9.6333,
51.6357

■ 16.8296, 15.0890,
52.4779

■ 11.6341, 7.7480,
51.3347

■ 19.7663, 18.7554,
53.0308

■ 11.3094, 7.2176,
51.2495

■ 23.3950, 23.1003,
53.6782

■ 27.7598, 28.1591,
54.4246

■ 32.9007, 33.9643,
55.2741

■ 38.8551, 40.5461,
56.2307

■ 45.6575, 47.9333,
57.2981

■ 53.3406, 56.1529,
58.4797

■ 61.9353, 65.2307,
59.7789

Harmonies

Analogous

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



9.9810, 12.0624, 54.5074



14.5350, 12.0624, 52.0143



19.2085, 12.0624, 36.1374

Triad

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



14.5350, 12.0624, 52.0143



17.9191, 12.0624, 1.9636



4.9773, 12.0624, 9.1693

Complementary

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



14.5350, 12.0624, 52.0143



32.7473, 32.0890, 6.9517

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.



6.1450, 12.0624, 2.8190



14.5350, 12.0624, 52.0143



13.0892, 12.0624, 0.7864

Square

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



14.5350, 12.0624, 52.0143



21.4836, 12.0624, 6.5806



8.8608, 12.0624, 0.9583



5.1762, 12.0624, 23.0232

Rectangle

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



14.5350, 12.0624, 52.0143



21.4013, 12.0624, 23.6488



8.8608, 12.0624, 0.9583



5.2081, 12.0624, 6.3152

Sweetspot

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



14.5356, 12.0627, 52.0146



62.2981, 64.5835, 99.5427



25.1618, 40.7019, 32.7841



12.5721, 12.9727, 21.2266



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.5356, 12.0627, 52.0146



21.4414, 14.8713, 92.1007



13.0671, 7.0181, 51.1183



9.7835, 10.2583, 12.7492



7.5863, 4.9292, 34.1082



0.3909, 0.3392, 1.4948

Inverse Universe

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



24.8631, 13.9880, 11.5147



41.6138, 21.5957, 12.3286



35.7640, 46.6915, 9.6113



10.2020, 10.1294, 11.1544



15.2252, 7.7798, 3.8320



0.6897, 0.3489, 0.3334

Previews

White Background



This preview shows how the XYZ color 14.5350, 12.0624, 52.0143 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 14.5350, 12.0624, 52.0143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

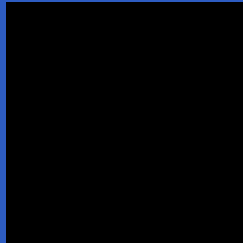
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5350, 12.0624, 52.0143

Background



This preview shows how black text looks on a background with the XYZ color 14.5350, 12.0624, 52.0143.



This preview shows how white text looks on a background with the XYZ color 14.5350, 12.0624,

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

14.5350, 12.0624, 52.0143

Protanopia

14.2167, 12.0018, 53.1970

Deuteranopia

11.9082, 11.9022, 40.6995



Tritanopia

8.4571, 11.9629, 18.0830

Trichromacy



Original Color

14.5350, 12.0624, 52.0143

Protanomaly

14.3116, 12.0638, 52.6132

Deuteranomaly

12.6348, 11.7712, 44.7862

Tritanomaly

9.9230, 11.5961, 27.7019

Monochromacy



Original Color

14.5350, 12.0624, 52.0143

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2346, 10.2611, 21.5198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5350, 12.0624, 52.0143 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(45, 92, 193)` looks like.

```
.text, #text, p{  
    color:rgb(45, 92, 193)  
}
```

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(45, 92, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 92, 193) }
```

Border

The CSS property to change the border of an element to XYZ 14.5350, 12.0624, 52.0143 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(45, 92, 193) }
```


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

```
.border{ border-color:rgb(45, 92, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 92, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 92, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 92, 193);  
box-shadow:4px 4px 4px 4px rgb(45, 92,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5350, 12.0624, 52.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 92, 193) }
```

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

```
.background{ background-color: rgb(45, 92,  
193) }
```

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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