

Converting Colors

XYZ(14.2455, 12.3055, 40.1525)

Have a look what the booklet for
XYZ(14.2455, 12.3055, 40.1525)
contains.

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Color

**XYZ(14.2455, 12.3055,
40.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	4C5DAB
RGB	76, 93, 171
RGB Percent	30%, 36%, 67%
CMY	0.7019, 0.6353, 0.3294
CMYK	0.56, 0.46, 0.00, 0.33
HSL	229°, 38%, 48%
HSV	229°, 56%, 67%
XYZ	14.2455, 12.3055, 40.1525
YIQ	96.8090, -35.1700, 20.6540

Conversions

Conversions Part 2

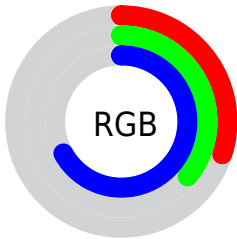
Format	Color
R_{YB}	76, 90, 171
Decimal	5004715
CIE _{Lab}	41.70, 16.90, -43.94
CIE _{LCh}	42, 47.079, 291.032
Yxy	12.3055, 0.2136, 0.1845
Android (android.graphics.Color)	4283194795 (0xFF4C5DAB)
YUV	96.8090, 36.5762, -18.2495
Hunter-Lab	35.0792, 11.0994, -43.3093

Details

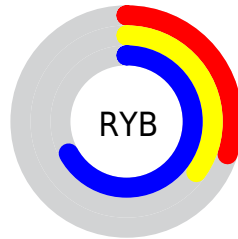
The XYZ color **14.2455, 12.3055, 40.1525** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.6555, 32.2920, 11.5081**, and the grayscale version is **11.2353, 11.8204, 12.8725**.

A 20% lighter version of the original color is **33.0477, 30.0163, 76.7250**, and **4.4021, 3.4606, 17.5755** is the 20% darker color. If you saturate the color by 10%, you get **11.9418, 9.4535, 39.7237**, and if you desaturate by 10%, it is **17.1375, 15.7970, 40.6743**.

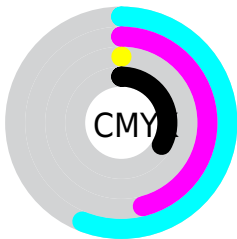
Distribution



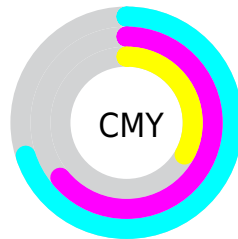
- Red (30%)
- Green (36%)
- Blue (67%)



- Red (30%)
- Yellow (35%)
- Blue (67%)



- Cyan (56%)
- Magenta (46%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (64%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2455, 12.3055, 40.1525 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 14.2455, 12.3055, 40.1525 by changing the saturation by 10% instead.

■ 14.2455, 12.3055,
40.1525

■ 14.2455, 12.3055,
40.1525

212.2330,
206.4174, 362.3371

■ 8.3745, 6.9521,
27.3428

■ 33.1066, 30.0503,
76.6353

■ 4.3893, 3.4322,
17.5961

■ 46.8274, 43.2105,
101.1455

■ 1.9246, 1.3613,
10.4940

■ 63.8955, 59.7417,
130.3929

■ 0.5911, 0.1879,
5.6178

■ 84.6763, 80.0284,
164.7960

■ 0.0000, 0.0000,
2.5491

■ 109.5351,
104.4549, 204.7735

■ 0.0000, 0.0000,
0.8660

138.8372,

■ 0.0000, 0.0000,

133.4057, 250.7438

0.0000

172.9480,
167.2650, 303.1255

■ 14.2455, 12.3055,
40.1525

■ 14.2455, 12.3055,
40.1525

■ 11.9418, 9.4535,
39.7237

■ 17.1375, 15.7970,
40.6743

■ 10.1833, 7.1999,
39.3814

■ 20.6539, 19.9631,
41.2931

■ 8.9230, 5.5004,
39.1198

■ 24.8296, 24.8379,
42.0139

■ 8.1025, 4.3026,
38.9318

■ 29.6963, 30.4525,
42.8411

■ 7.8303, 3.8993,
38.8683

■ 35.2838, 36.8365,
43.7789

■ 41.6201, 44.0175,
44.8310

■ 48.7316, 52.0221,
46.0012

■ 56.6436, 60.8752,
47.2930

■ 65.3800, 70.6011,
48.7099

Harmonies

Analogous

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



10.6909, 12.3055, 42.3420



14.2455, 12.3055, 40.1525



17.6578, 12.3055, 29.2758

Triad

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



14.2455, 12.3055, 40.1525



16.3903, 12.3055, 3.3829



6.2853, 12.3055, 10.6466

Complementary

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



14.2455, 12.3055, 40.1525



29.6555, 32.2920, 11.5081

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.



7.2544, 12.3055, 4.6426



14.2455, 12.3055, 40.1525



12.7623, 12.3055, 2.0234

Square

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



14.2455, 12.3055, 40.1525



19.0558, 12.3055, 7.6653



9.4704, 12.3055, 2.3312



6.5272, 12.3055, 21.4511

Rectangle

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



14.2455, 12.3055, 40.1525



19.1693, 12.3055, 20.5818



9.4704, 12.3055, 2.3312



6.4718, 12.3055, 8.1177

Sweetspot

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



14.2460, 12.3059, 40.1528



51.5698, 52.6839, 76.4529



23.3420, 32.9820, 35.5266



11.1117, 11.3014, 16.9834



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.2460, 12.3059, 40.1528



20.4670, 15.7678, 70.9666



15.8895, 11.1792, 39.8487



7.6905, 7.9804, 10.0877



5.9314, 2.9967, 29.3103



0.1987, 0.1508, 0.8266

Inverse Universe

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



21.3553, 14.6177, 12.0522



34.7656, 21.2151, 14.2701



26.8383, 35.3035, 12.2379



8.0616, 8.0379, 8.6351



12.8576, 6.6056, 1.6294



0.3747, 0.1906, 0.1350

Previews

White Background



This preview shows how the XYZ color 14.2455, 12.3055, 40.1525 looks on a white background.

Color Contrast Check

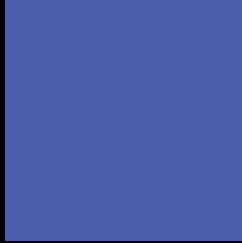
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2455, 12.3055, 40.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

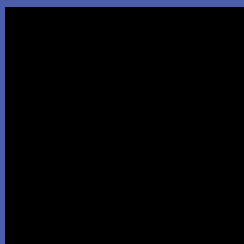
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.2455, 12.3055, 40.1525

Background



This preview shows how black text looks on a background with the XYZ color 14.2455, 12.3055, 40.1525.



This preview shows how white text looks on a background with the XYZ color 14.2455, 12.3055,

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

14.2455, 12.3055, 40.1525

Protanopia

13.7123, 12.4070, 41.2072

Deuteranopia

12.6724, 12.3182, 39.7400



Tritanopia

9.7668, 12.3352, 17.7858

Trichromacy



Original Color

14.2455, 12.3055, 40.1525

Protanomaly

13.8533, 12.3563, 40.6846

Deuteranomaly

13.0517, 12.2359, 39.7041

Tritanomaly

11.0768, 12.1134, 24.6760

Monochromacy



Original Color

14.2455, 12.3055, 40.1525

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9408, 11.9448, 20.7450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2455, 12.3055, 40.1525 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(76, 93, 171)` looks like.

```
.text, #text, p{  
    color:rgb(76, 93, 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(76, 93, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 93, 171) }
```

Border

The CSS property to change the border of an element to XYZ 14.2455, 12.3055, 40.1525 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(76, 93, 171) }
```


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

```
.border{ border-color:rgb(76, 93, 171) }
```

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

Here you see how a box with a 4 pixel rgb(76, 93, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 93, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 93, 171);  
box-shadow:4px 4px 4px 4px rgb(76, 93,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2455, 12.3055, 40.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 93, 171) }
```

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

```
.background{ background-color: rgb(76, 93,  
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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