

Converting Colors

XYZ(24.5451, 15.4700, 40.7244)

Have a look what the booklet for
XYZ(24.5451, 15.4700, 40.7244)
contains.

XYZ(24.5931, 15.4532, 40.7163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.5931, 15.4532,
40.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	A14AAC
RGB	161, 74, 172
RGB Percent	63%, 29%, 67%
CMY	0.3686, 0.7098, 0.3255
CMYK	0.06, 0.57, 0.00, 0.33
HSL	293°, 40%, 48%
HSV	293°, 57%, 67%
XYZ	24.5931, 15.4532, 40.7163
YIQ	111.1850, 20.3940, 48.9220

Conversions

Conversions Part 2

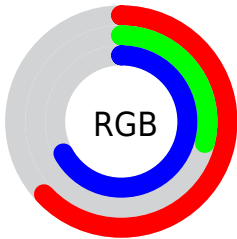
Format	Color
R_{YB}	161, 74, 172
Decimal	10570412
CIE _{Lab}	46.25, 50.30, -36.76
CIE _{LCh}	46, 62.302, 323.836
Yxy	15.4532, 0.3045, 0.1913
Android (android.graphics.Color)	4288760492 (0xFFA14AAC)
YUV	111.1850, 29.9818, 43.6878
Hunter-Lab	39.3106, 42.8780, -33.8928

Details

The XYZ color **24.5931, 15.4532, 40.7163** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.7354, 31.9311, 11.6025**, and the grayscale version is **15.0753, 15.8604, 17.2719**.

A 20% lighter version of the original color is **50.5064, 35.6856, 77.6248**, and **9.5936, 4.8586, 17.8849** is the 20% darker color. If you saturate the color by 10%, you get **23.2120, 13.2636, 40.3667**, and if you desaturate by 10%, it is **26.2953, 18.2750, 41.1715**.

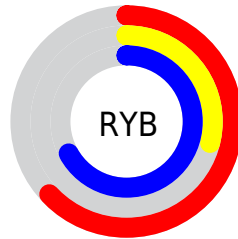
Distribution



Red (63%)

Green (29%)

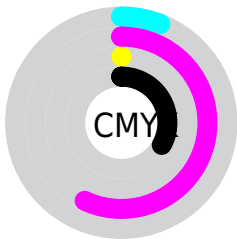
Blue (67%)



Red (63%)

Yellow (29%)

Blue (67%)

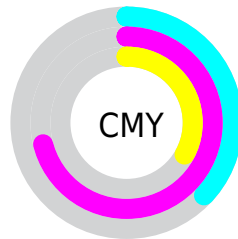


Cyan (6%)

Magenta (57%)

Yellow (0%)

Black (33%)



Cyan (37%)


Magenta (71%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5931, 15.4532, 40.7163 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 24.5931, 15.4532, 40.7163 by changing the saturation by 10% instead.

 24.5931, 15.4532,
40.7163


 24.5931, 15.4532,
40.7163


268.1906,
226.0932, 364.7750


 15.9013, 9.1381,
27.7794


 50.4440, 35.6463,
77.5020

 9.5447, 4.8313,
17.9219


 68.3338, 50.2930,
102.1880


 5.1581, 2.1486,
10.7251


 90.0203, 68.4858,
131.6274

 2.3760, 0.6918,
5.7704

 115.8688, 90.6089,
166.2388

 0.8331, 0.0000,
2.6395

 146.2448,
117.0468, 206.4407

 0.0000, 0.0000,
0.9127

181.5135,

 0.0000, 0.0000,

148.1839, 252.6516

0.0000

222.0403,
184.4045, 305.2902

■ 24.5931, 15.4532,
40.7163

■ 24.5931, 15.4532,
40.7163

■ 23.2120, 13.2636,
40.3667

■ 26.2953, 18.2750,
41.1715

■ 22.1239, 11.6518,
40.1129

■ 28.3402, 21.7737,
41.7390

■ 21.2989, 10.5573,
39.9451

■ 30.7494, 25.9922,
42.4263

■ 20.6925, 9.8910,
39.8485

■ 33.5425, 30.9692,
43.2397

■ 20.5258, 9.7212,
39.8245

■ 36.7373, 36.7408,
44.1854

■ 40.3508, 43.3406,
45.2688

■ 44.3989, 50.8004,
46.4953

■ 48.8966, 59.1502,
47.8700

■ 53.8583, 68.4186,
49.3974

Harmonies

Analogous

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



19.2226, 15.4532, 60.3792



24.5931, 15.4532, 40.7163



27.3890, 15.4532, 20.1724

Triad

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



24.5931, 15.4532, 40.7163



15.8140, 15.4532, 1.2723



7.1761, 15.4532, 31.6624

Complementary

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



24.5931, 15.4532, 40.7163



19.7354, 31.9311, 11.6025

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.



6.6832, 15.4532, 13.8716



24.5931, 15.4532, 40.7163



10.9290, 15.4532, 1.7360

Square

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



24.5931, 15.4532, 40.7163



21.5904, 15.4532, 2.5242



7.8794, 15.4532, 4.7816



9.4397, 15.4532, 53.3006

Rectangle

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



24.5931, 15.4532, 40.7163



27.0305, 15.4532, 10.7463



7.8794, 15.4532, 4.7816



6.8248, 15.4532, 24.8510

Sweetspot

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



24.5937, 15.4539, 40.7166



60.6719, 55.8617, 78.3904



13.5538, 11.0006, 40.4389



12.9626, 11.7408, 16.9707



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.



24.5937, 15.4539, 40.7166



41.6223, 23.3182, 73.1129



23.7959, 15.4022, 24.4325



8.2472, 8.1018, 10.0818



15.3034, 7.2490, 29.6371



0.4503, 0.2143, 0.8256

Inverse Universe

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



21.1022, 14.3247, 10.2478



34.9700, 21.2414, 11.6938



20.4777, 32.1215, 20.3246



8.0404, 8.0294, 8.5238



12.7609, 6.5669, 1.1206



0.3663, 0.1872, 0.0908

Previews

White Background



This preview shows how the XYZ color 24.5931, 15.4532, 40.7163 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 24.5931, 15.4532, 40.7163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

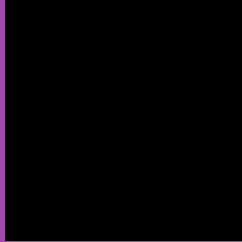
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5931, 15.4532, 40.7163

Background



This preview shows how black text looks on a background with the XYZ color 24.5931, 15.4532, 40.7163.



This preview shows how white text looks on a background with the XYZ color 24.5931, 15.4532,

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

24.5931, 15.4532, 40.7163

Protanopia

17.9050, 15.8038, 57.9839

Deuteranopia

16.1150, 15.7899, 38.2748



Tritanopia

19.1635, 15.4242, 14.0237

Trichromacy



Original Color

24.5931, 15.4532, 40.7163

Protanomaly

18.5332, 14.5427, 51.1204

Deuteranomaly

18.0247, 14.8213, 38.9566

Tritanomaly

20.6113, 15.1305, 21.5728

Monochromacy



Original Color

24.5931, 15.4532, 40.7163

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.6546, 15.0959, 24.1736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5931, 15.4532, 40.7163 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(161, 74, 172)` looks like.

```
.text, #text, p{  
    color:rgb(161, 74, 172)  
}
```

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(161, 74, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 74, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.5931, 15.4532, 40.7163 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(161, 74, 172) }
```


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

```
.border{ border-color:rgb(161, 74, 172) }
```

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

Here you see how a box with a 4 pixel rgb(161, 74, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 74, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 74, 172);  
box-shadow:4px 4px 4px 4px rgb(161, 74,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5931, 15.4532, 40.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 74, 172) }
```

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

```
.background{ background-color: rgb(161, 74,  
172) }
```

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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