

Converting Colors

XYZ(24.3846, 14.6943, 37.2042)

Have a look what the booklet for
XYZ(24.3846, 14.6943, 37.2042)
contains.

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Color

**XYZ(24.4656, 14.7200,
37.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	A642A5
RGB	166, 66, 165
RGB Percent	65%, 26%, 65%
CMY	0.3490, 0.7412, 0.3529
CMYK	0.00, 0.60, 0.01, 0.35
HSL	301°, 43%, 45%
HSV	301°, 60%, 65%
XYZ	24.4656, 14.7200, 37.1491
YIQ	107.1860, 27.8210, 51.9890

Conversions

Conversions Part 2

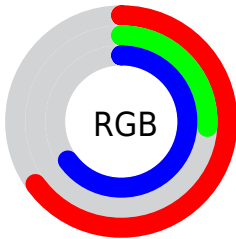
Format	Color
R_{YB}	166, 66, 165
Decimal	10896037
CIE _{Lab}	45.25, 54.06, -34.15
CIE _{LCh}	45, 63.943, 327.717
Yxy	14.7200, 0.3205, 0.1928
Android (android.graphics.Color)	4289086117 (0xFFA642A5)
YUV	107.1860, 28.5023, 51.5799
Hunter-Lab	38.3667, 46.6840, -30.5518

Details

The XYZ color **24.4656, 14.7200, 37.1491** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.8967, 28.8365, 9.9864**, and the grayscale version is **13.9453, 14.6715, 15.9773**.

A 20% lighter version of the original color is **50.0662, 34.2882, 71.6897**, and **9.5362, 4.5718, 16.0026** is the 20% darker color. If you saturate the color by 10%, you get **23.6178, 13.0483, 36.7921**, and if you desaturate by 10%, it is **25.5959, 16.9559, 37.6006**.

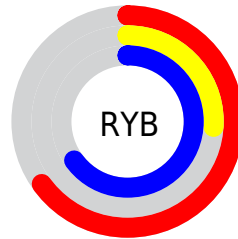
Distribution



Red (65%)

Green (26%)

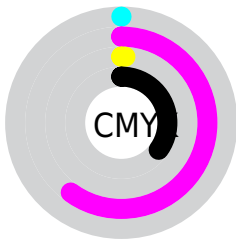
Blue (65%)



Red (65%)

Yellow (26%)

Blue (65%)

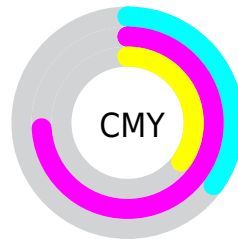


Cyan (0%)

Magenta (60%)

Yellow (1%)

Black (35%)



Cyan (35%)


Magenta (74%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4656, 14.7200, 37.1491 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 24.4656, 14.7200, 37.1491 by changing the saturation by 10% instead.


 24.4656, 14.7200,
37.1491


 24.4656, 14.7200,
37.1491


267.5630,
221.6651, 349.1437


 15.8060, 8.6231,
25.0263


 50.2381, 34.3612,
71.9909


 9.4769, 4.4962,
15.8774


 68.0817, 48.6743,
95.5470


 5.1131, 1.9548,
9.2840


 89.7173, 66.4950,
123.7512

 2.3492, 0.5810,
4.8276

 115.5102, 88.2076,
157.0222

 0.8197, 0.0000,
2.0895

 145.8259,
114.1965, 195.7783

 0.0000, 0.0000,
0.6095

181.0297,

 0.0000, 0.0000,

144.8461, 240.4383

0.0000

221.4870,
180.5409, 291.4206

■ 24.4656, 14.7200,
37.1491

■ 24.4656, 14.7200,
37.1491

■ 23.6178, 13.0483,
36.7921

■ 25.5959, 16.9559,
37.6006

■ 23.0259, 11.8885,
36.5203

■ 27.0292, 19.7983,
38.1531

■ 22.6607, 11.1823,
36.3243

■ 28.7860, 23.2877,
38.8136

■ 22.4577, 10.7997,
36.1841

■ 30.8846, 27.4605,
39.5880

■ 33.3417, 32.3505,
40.4821

■ 36.1733, 37.9892,
41.5011

■ 39.3940, 44.4062,
42.6499

■ 43.0179, 51.6296,
43.9332

■ 47.0583, 59.6860,
45.3554

Harmonies

Analogous

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



19.2719, 14.7200, 58.0863



24.4656, 14.7200, 37.1491



26.8057, 14.7200, 17.2155

Triad

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



24.4656, 14.7200, 37.1491



14.3998, 14.7200, 0.9875



6.7831, 14.7200, 33.7409

Complementary

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



24.4656, 14.7200, 37.1491



16.8967, 28.8365, 9.9864

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.



6.0930, 14.7200, 14.8956



24.4656, 14.7200, 37.1491



9.7752, 14.7200, 1.6007

Square

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



24.4656, 14.7200, 37.1491



20.1533, 14.7200, 1.8636



7.0360, 14.7200, 4.9642



9.2333, 14.7200, 55.3928

Rectangle

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



24.4656, 14.7200, 37.1491



26.0810, 14.7200, 8.6997



7.0360, 14.7200, 4.9642



6.3694, 14.7200, 26.6208

Sweetspot

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



24.4661, 14.7207, 37.1494



56.8500, 51.4254, 72.1396



11.0786, 7.8086, 37.0002



12.4595, 10.9858, 16.0474



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.4661, 14.7207, 37.1494



42.4832, 22.9339, 66.6047



20.8271, 13.2651, 17.9865



7.8386, 7.6653, 9.4674



17.4157, 8.3750, 28.0645



0.4247, 0.2042, 0.6880

Inverse Universe

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



24.4661, 14.7207, 37.1494



42.4832, 22.9339, 66.6047



19.0360, 29.6922, 21.2517



7.8386, 7.6653, 9.4674



17.4157, 8.3750, 28.0645



0.4247, 0.2042, 0.6880

Previews

White Background



This preview shows how the XYZ color 24.4656, 14.7200, 37.1491 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 24.4656, 14.7200, 37.1491 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 24.4656, 14.7200, 37.1491

Background



This preview shows how black text looks on a background with the XYZ color 24.4656, 14.7200, 37.1491.



This preview shows how white text looks on a background with the XYZ color 24.4656, 14.7200,

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

24.4656, 14.7200, 37.1491

Protanopia

17.2218, 15.1728, 56.6645

Deuteranopia

15.2670, 14.9624, 34.4311



Tritanopia

19.4041, 14.7150, 12.1735

Trichromacy



Original Color

24.4656, 14.7200, 37.1491



Protanomaly

17.6405, 13.6114, 48.7112



Deuteranomaly

17.3304, 13.8723, 35.4824



Tritanomaly

20.8237, 14.5009, 19.1542

Monochromacy



Original Color

24.4656, 14.7200, 37.1491



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

16.6255, 13.8020, 22.2099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4656, 14.7200, 37.1491 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(166, 66, 165)` looks like.

```
.text, #text, p{  
    color:rgb(166, 66, 165)  
}
```

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(166, 66, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 66, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.4656, 14.7200, 37.1491 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(166, 66, 165) }
```


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

```
.border{ border-color:rgb(166, 66, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 66, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 66, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 66, 165);  
box-shadow:4px 4px 4px 4px rgb(166, 66,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4656, 14.7200, 37.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 66, 165) }
```

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

```
.background{ background-color: rgb(166, 66,  
165) }
```

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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