

Converting Colors

XYZ(12.3416, 9.1152, 41.6669)

Have a look what the booklet for
XYZ(12.3416, 9.1152, 41.6669)
contains.

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Color

**XYZ(12.3666, 9.1165,
41.6653)**

Conversions

Conversions Part 1

Format	Color
Hex	414AAF
RGB	65, 74, 175
RGB Percent	25%, 29%, 69%
CMY	0.7451, 0.7098, 0.3137
CMYK	0.63, 0.58, 0.00, 0.31
HSL	235°, 46%, 47%
HSV	235°, 63%, 69%
XYZ	12.3666, 9.1165, 41.6653
YIQ	82.8230, -37.7850, 29.5030

Conversions

Conversions Part 2

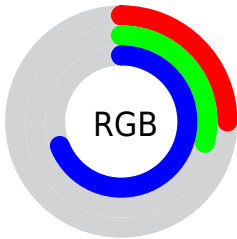
Format	Color
R _{YB}	65, 73, 175
Decimal	4278959
CIE _{Lab}	36.21, 28.33, -55.19
CIE _{LCh}	36, 62.033, 297.172
Yxy	9.1165, 0.1958, 0.1444
Android (android.graphics.Color)	4282469039 (0xFF414AAF)
YUV	82.8230, 45.4433, -15.6308
Hunter-Lab	30.1935, 20.2709, -60.6812

Details

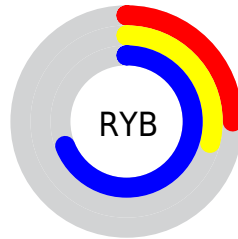
The XYZ color **12.3666, 9.1165, 41.6653** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **32.2709, 36.7704, 10.3984**, and the grayscale version is **8.1028, 8.5247, 9.2834**.

A 20% lighter version of the original color is **29.8189, 24.2205, 78.7047**, and **3.9412, 2.3604, 18.3370** is the 20% darker color. If you saturate the color by 10%, you get **10.4432, 6.7308, 41.3064**, and if you desaturate by 10%, it is **14.9237, 12.2358, 42.1328**.

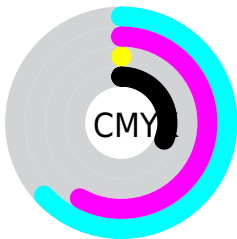
Distribution



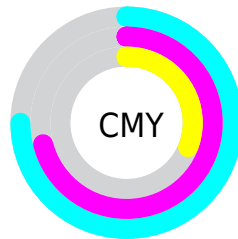
- Red (25%)
- Green (29%)
- Blue (69%)



- Red (25%)
- Yellow (29%)
- Blue (69%)



- Cyan (63%)
- Magenta (58%)
- Yellow (0%)
- Black (31%)



- Cyan (75%)
- Magenta (71%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3666, 9.1165, 41.6653 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 12.3666, 9.1165, 41.6653 by changing the saturation by 10% instead.

■ 12.3666, 9.1165,
41.6653

■ 12.3666, 9.1165,
41.6653

200.5381,
184.2446, 368.8522

■ 7.0678, 4.8172,
28.5157

■ 29.7722, 24.1199,
78.9574

■ 3.5513, 2.1404,
18.4723

■ 42.6096, 35.5928,
103.9370

■ 1.4515, 0.6872,
11.1167

■ 58.6908, 50.2258,
133.6971

■ 0.2925, 0.0000,
6.0302

■ 78.3809, 68.4031,
168.6560

■ 0.0000, 0.0000,
2.7944

■ 102.0453, 90.5093,
209.2325

■ 0.0000, 0.0000,
0.9906

130.0494,

■ 0.0000, 0.0000,

116.9287, 255.8450

0.0000

162.7586,
148.0457, 308.9121

■ 12.3666, 9.1165,
41.6653

■ 12.3666, 9.1165,
41.6653

■ 10.4432, 6.7308,
41.3064

■ 14.9237, 12.2358,
42.1328

■ 9.0966, 5.0174,
41.0467

■ 18.1624, 16.1414,
42.7160

■ 8.2615, 3.9067,
40.8763

■ 22.1272, 20.8822,
43.4221

■ 7.8991, 3.4176,
40.8010

■ 26.8587, 26.5029,
44.2576

■ 32.3944, 33.0449,
45.2286

■ 38.7693, 40.5470,
46.3406

■ 46.0164, 49.0458,
47.5991

■ 54.1669, 58.5760,
49.0091

■ 63.2503, 69.1706,
50.5753

Harmonies

Analogous

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



8.3162, 9.1165, 47.7698



12.3666, 9.1165, 41.6653



16.1890, 9.1165, 25.7261

Triad

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



12.3666, 9.1165, 41.6653



13.1591, 9.1165, 0.7201



3.2975, 9.1165, 8.9479

Complementary

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



12.3666, 9.1165, 41.6653



32.2709, 36.7704, 10.3984

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.



3.9306, 9.1165, 2.4397



12.3666, 9.1165, 41.6653



9.0233, 9.1165, 0.0328

Square

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



12.3666, 9.1165, 41.6653



16.7312, 9.1165, 3.1945



5.7872, 9.1165, 0.5061



3.7256, 9.1165, 22.5571

Rectangle

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



12.3666, 9.1165, 41.6653



17.6982, 9.1165, 15.2155



5.7872, 9.1165, 0.5061



3.3877, 9.1165, 6.0315

Sweetspot

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



12.3671, 9.1168, 41.6655



51.4304, 51.4043, 79.8482



24.3781, 34.5312, 41.3770



10.8384, 10.7239, 17.6430



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.3671, 9.1168, 41.6655



17.7621, 10.8683, 73.7985



16.1636, 10.2454, 41.6833



7.6296, 7.8586, 10.0674



5.6765, 2.4869, 29.2253



0.1745, 0.1024, 0.8186

Inverse Universe

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



20.8060, 13.3897, 7.9665



34.2393, 19.6737, 7.8963



25.3634, 35.7222, 10.5602



8.0308, 8.0256, 8.4732



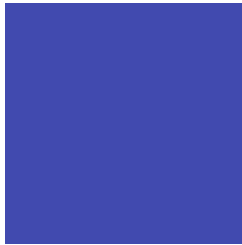
12.7289, 6.5541, 0.9518



0.3625, 0.1857, 0.0706

Previews

White Background



This preview shows how the XYZ color 12.3666, 9.1165, 41.6653 looks on a white background.

Color Contrast Check

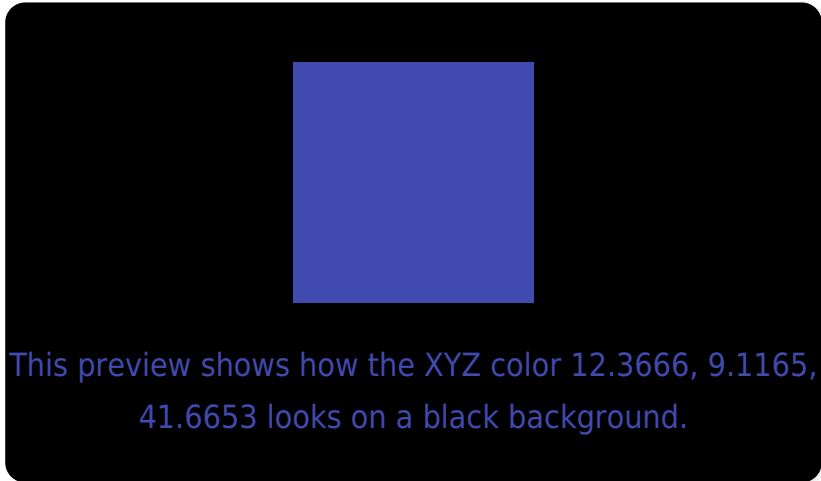
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

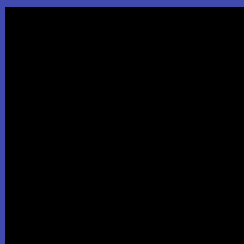
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3666, 9.1165, 41.6653

Background



This preview shows how black text looks on a background with the XYZ color 12.3666, 9.1165, 41.6653.



This preview shows how white text looks on a background with the XYZ color 12.3666, 9.1165,

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

12.3666, 9.1165, 41.6653

Protanopia

10.6573, 9.0906, 41.2374

Deuteranopia

8.9132, 9.0184, 30.1251



Tritanopia

6.7050, 9.1272, 13.7202

Trichromacy



Original Color

12.3666, 9.1165, 41.6653

Protanomaly

10.8127, 8.8421, 41.1812

Deuteranomaly

9.6520, 8.7320, 33.9776

Tritanomaly

8.1038, 8.7870, 21.6910

Monochromacy



Original Color

12.3666, 9.1165, 41.6653

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.0015, 8.5348, 17.6959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3666, 9.1165, 41.6653 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(65, 74, 175)` looks like.

```
.text, #text, p{  
  color:rgb(65, 74, 175)  
}
```

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(65, 74, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 74, 175) }
```

Border

The CSS property to change the border of an element to XYZ 12.3666, 9.1165, 41.6653 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(65, 74, 175) }
```


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

```
.border{ border-color:rgb(65, 74, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 74, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 74, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 74, 175);  
box-shadow:4px 4px 4px 4px rgb(65, 74,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3666, 9.1165, 41.6653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 74, 175) }
```

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

```
.background{ background-color: rgb(65, 74,  
175) }
```

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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