

Converting Colors

XYZ(13.6261, 11.7139, 40.6735)

Have a look what the booklet for
XYZ(13.6261, 11.7139, 40.6735)
contains.

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Color

**XYZ(13.6417, 11.7259,
40.5741)**

Conversions

Conversions Part 1

Format	Color
Hex	455BAC
RGB	69, 91, 172
RGB Percent	27%, 36%, 67%
CMY	0.7294, 0.6431, 0.3255
CMYK	0.60, 0.47, 0.00, 0.33
HSL	227°, 43%, 47%
HSV	227°, 60%, 67%
XYZ	13.6417, 11.7259, 40.5741
YIQ	93.6560, -39.1130, 20.5270

Conversions

Conversions Part 2

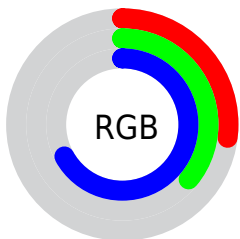
Format	Color
R_{YB}	69, 87, 172
Decimal	4545452
CIE _{Lab}	40.78, 17.06, -46.03
CIE _{LCh}	41, 49.089, 290.333
Yxy	11.7259, 0.2069, 0.1778
Android (android.graphics.Color)	4282735532 (0xFF455BAC)
YUV	93.6560, 38.6236, -21.6233
Hunter-Lab	34.2431, 11.1851, -46.2816

Details

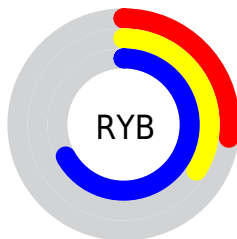
The XYZ color **13.6417, 11.7259, 40.5741** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.9949, 31.0147, 10.0893**, and the grayscale version is **10.4773, 11.0229, 12.0040**.

A 20% lighter version of the original color is **32.1327, 29.0868, 77.3195**, and **4.3068, 3.2859, 17.8600** is the 20% darker color. If you saturate the color by 10%, you get **11.5398, 9.0778, 40.1740**, and if you desaturate by 10%, it is **16.3067, 14.9739, 41.0608**.

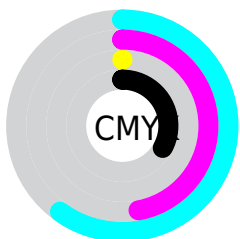
Distribution



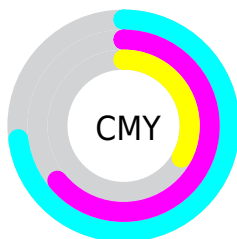
- Red (27%)
- Green (36%)
- Blue (67%)



- Red (27%)
- Yellow (34%)
- Blue (67%)



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (64%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6417, 11.7259, 40.5741 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 13.6417, 11.7259, 40.5741 by changing the saturation by 10% instead.

■ 13.6417, 11.7259,
40.5741

■ 13.6417, 11.7259,
40.5741

208.5458,
202.5821, 364.1612

■ 7.9519, 6.5573,
27.6693

■ 32.0435, 28.9949,
77.2836

■ 4.1157, 3.1868,
17.8396

■ 45.4863, 41.8641,
101.9253

■ 1.7678, 1.2300,
10.6667

■ 62.2440, 58.0690,
131.3164

■ 0.4982, 0.0860,
5.7318

■ 82.6822, 77.9939,
165.8753

■ 0.0000, 0.0000,
2.6166

■ 107.1661,
102.0233, 206.0208

■ 0.0000, 0.0000,
0.9010

136.0611,

■ 0.0000, 0.0000,

130.5415, 252.1712

0.0000

169.7326,
163.9330, 304.7452

■ 13.6417, 11.7259,
40.5741

■ 13.6417, 11.7259,
40.5741

■ 11.5398, 9.0778,
40.1740

■ 16.3067, 14.9739,
41.0608

■ 9.9567, 6.9899,
39.8544

■ 19.5714, 18.8558,
41.6380

■ 8.8436, 5.4188,
39.6099

■ 23.4710, 23.4042,
42.3104

■ 8.1073, 4.2964,
39.4320

■ 28.0374, 28.6491,
43.0821

■ 8.0997, 4.2851,
39.4302

■ 33.3005, 34.6185,
43.9570

■ 39.2881, 41.3391,
44.9386

■ 46.0268, 48.8360,
46.0305

■ 53.5415, 57.1332,
47.2359

■ 61.8561, 66.2537,
48.5581

Harmonies

Analogous

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



10.0564, 11.7259, 42.6045



13.6417, 11.7259, 40.5741



17.1458, 11.7259, 29.3712

Triad

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



13.6417, 11.7259, 40.5741



15.9976, 11.7259, 2.9552



5.7549, 11.7259, 9.8062

Complementary

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



13.6417, 11.7259, 40.5741



28.9949, 31.0147, 10.0893

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.



6.7387, 11.7259, 4.0128



13.6417, 11.7259, 40.5741



12.3097, 11.7259, 1.6507

Square

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



13.6417, 11.7259, 40.5741



18.6908, 11.7259, 7.1888



8.9734, 11.7259, 1.8985



5.9651, 11.7259, 20.6720

Rectangle

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



13.6417, 11.7259, 40.5741



18.7285, 11.7259, 20.3841



8.9734, 11.7259, 1.8985



5.9475, 11.7259, 7.3328

Sweetspot

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



13.6422, 11.7263, 40.5744



52.2671, 53.5732, 78.3917



22.6869, 32.9625, 33.8880



10.8103, 11.0169, 16.9444



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.



13.6422, 11.7263, 40.5744



19.8539, 15.0665, 72.6675



14.6321, 9.8425, 40.1586



7.7124, 8.0242, 10.0950



6.0614, 3.2566, 29.3536



0.2074, 0.1681, 0.8295

Inverse Universe

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



21.0302, 13.7829, 11.4497



34.8062, 20.3171, 13.4788



27.1233, 35.7585, 11.1036



8.0726, 8.0423, 8.6933



12.9231, 6.6318, 1.9747



0.3791, 0.1923, 0.1579

Previews

White Background



This preview shows how the XYZ color 13.6417, 11.7259, 40.5741 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 13.6417, 11.7259, 40.5741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

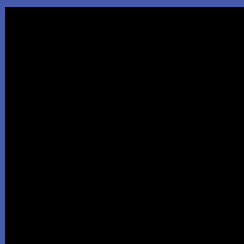
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6417, 11.7259, 40.5741

Background



This preview shows how black text looks on a background with the XYZ color 13.6417, 11.7259, 40.5741.



This preview shows how white text looks on a background with the XYZ color 13.6417, 11.7259,

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

13.6417, 11.7259, 40.5741

Protanopia

13.1852, 11.7254, 41.6127

Deuteranopia

11.9564, 11.6713, 39.6528



Tritanopia

8.9871, 11.7876, 17.4244

Trichromacy



Original Color

13.6417, 11.7259, 40.5741

Protanomaly

13.2944, 11.6635, 41.0858

Deuteranomaly

12.3977, 11.6169, 40.1169

Tritanomaly

10.2764, 11.5656, 24.2450

Monochromacy



Original Color

13.6417, 11.7259, 40.5741

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1735, 11.1651, 19.9785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6417, 11.7259, 40.5741 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(69, 91, 172)` looks like.

```
.text, #text, p{  
    color:rgb(69, 91, 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(69, 91, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 91, 172) }
```

Border

The CSS property to change the border of an element to XYZ 13.6417, 11.7259, 40.5741 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(69, 91, 172) }
```


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

```
.border{ border-color:rgb(69, 91, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 91, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 91, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 91, 172);  
box-shadow:4px 4px 4px 4px rgb(69, 91,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6417, 11.7259, 40.5741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 91, 172) }
```

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

```
.background{ background-color: rgb(69, 91,  
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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