

Converting Colors

XYZ(11.4423, 6.0326, 37.4861)

Have a look what the booklet for
XYZ(11.4423, 6.0326, 37.4861)
contains.

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Color

**XYZ(11.4451, 6.0202,
37.6046)**

Conversions

Conversions Part 1

Format	Color
Hex	5524A8
RGB	85, 36, 168
RGB Percent	33%, 14%, 66%
CMY	0.6667, 0.8588, 0.3412
CMYK	0.49, 0.79, 0.00, 0.34
HSL	262°, 65%, 40%
HSV	262°, 79%, 66%
XYZ	11.4451, 6.0202, 37.6046
YIQ	65.6990, -13.1680, 51.4400

Conversions

Conversions Part 2

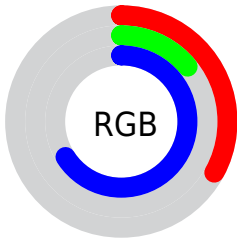
Format	Color
R_{YB}	85, 36, 168
Decimal	5579944
CIE _{Lab}	29.46, 50.94, -61.94
CIE _{LCh}	29, 80.195, 309.437
Yxy	6.0202, 0.2078, 0.1093
Android (android.graphics.Color)	4283770024 (0xFF5524A8)
YUV	65.6990, 50.4344, 16.9270
Hunter-Lab	24.5361, 40.3249, -73.6940

Details

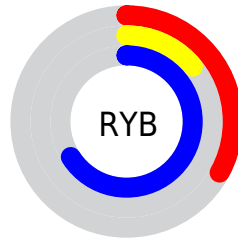
The XYZ color **11.4451, 6.0202, 37.6046** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **21.9282, 32.0544, 6.7004**, and the grayscale version is **5.0582, 5.3216, 5.7952**.

A 20% lighter version of the original color is **28.0181, 17.9490, 72.5088**, and **3.3257, 1.3570, 16.3063** is the 20% darker color. If you saturate the color by 10%, you get **10.1623, 4.7731, 37.4317**, and if you desaturate by 10%, it is **13.1103, 7.8185, 37.8641**.

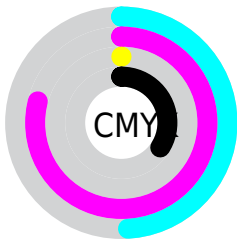
Distribution



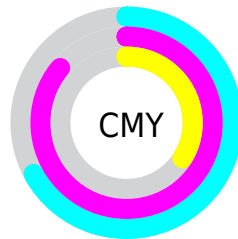
- Red (33%)
- Green (14%)
- Blue (66%)



- Red (33%)
- Yellow (14%)
- Blue (66%)



- Cyan (49%)
- Magenta (79%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (86%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4451, 6.0202, 37.6046 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 11.4451, 6.0202, 37.6046 by changing the saturation by 10% instead.

■ 11.4451, 6.0202,
37.6046

■ 11.4451, 6.0202,
37.6046

■ 194.5421,
159.2545, 351.1679

■ 6.4365, 2.8574,
25.3765

■ 28.1061, 17.9730,
72.6984

■ 3.1555, 1.0577,
16.1362

■ 40.4892, 27.5318,
96.4011

■ 1.2365, 0.0000,
9.4652

■ 56.0612, 39.9914,
124.7659

■ 0.1349, 0.0000,
4.9449

■ 75.1875, 55.7361,
158.2111

■ 0.0000, 0.0000,
2.1568

■ 98.2333, 75.1503,
197.1554

■ 0.0000, 0.0000,
0.6493

■ 125.5642, 98.6186,

■ 0.0000, 0.0000,

242.0173

0.0000

157.5453,
126.5252, 293.2153

11.4451, 6.0202,
37.6046

11.4451, 6.0202,
37.6046

10.1623, 4.7731,
37.4317

13.1103, 7.8185,
37.8641

9.2004, 3.9651,
37.3264

15.1924, 10.2297,
38.2198

9.0778, 3.8633,
37.3132

17.7227, 13.3074,
38.6805

20.7287, 17.0991,
39.2539

24.2357, 21.6478,
39.9471

■ 28.2672, 26.9931,
40.7663

■ 32.8448, 33.1717,
41.7176

■ 37.9892, 40.2180,
42.8066

■ 43.7197, 48.1644,
44.0384

Harmonies

Analogous

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



6.9529, 6.0202, 53.1701



11.4451, 6.0202, 37.6046



15.1415, 6.0202, 16.4648

Triad

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



11.4451, 6.0202, 37.6046



8.5611, 6.0202, 0.0000



1.2133, 6.0202, 10.4382

Complementary

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



11.4451, 6.0202, 37.6046



21.9282, 32.0544, 6.7004

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.



1.3430, 6.0202, 1.7237



11.4451, 6.0202, 37.6046



4.6457, 6.0202, 0.0000

Square

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



11.4451, 6.0202, 37.6046



13.0430, 6.0202, 0.0000



2.3191, 6.0202, 0.0000



1.8306, 6.0202, 29.4404

Rectangle

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



11.4451, 6.0202, 37.6046



16.0133, 6.0202, 6.7546



2.3191, 6.0202, 0.0000



1.1799, 6.0202, 6.3594

Sweetspot

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



11.4455, 6.0204, 37.6048



46.8838, 43.1113, 73.0754



14.4639, 16.5391, 39.4760



9.6924, 8.7024, 15.8210



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.



11.4455, 6.0204, 37.6048



17.1578, 7.5802, 67.7839



20.3502, 10.6109, 38.0215



7.3851, 7.4311, 9.4635



6.9079, 2.9446, 28.1798



0.2247, 0.1008, 0.6883

Inverse Universe

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



20.1089, 10.9184, 18.4989



34.3903, 17.3748, 27.4366



15.8210, 28.9060, 6.4146



7.7220, 7.6187, 8.8532



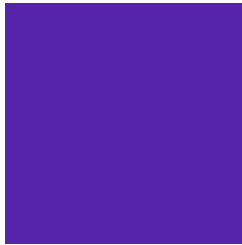
14.1701, 7.0768, 10.9733



0.3682, 0.1816, 0.3906

Previews

White Background



This preview shows how the XYZ color 11.4451, 6.0202, 37.6046 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

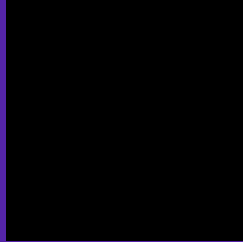
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4451, 6.0202, 37.6046

Background



This preview shows how black text looks on a background with the XYZ color 11.4451, 6.0202, 37.6046.



This preview shows how white text looks on a background with the XYZ color 11.4451, 6.0202, 37.6046.

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

11.4451, 6.0202, 37.6046

Protanopia

6.9496, 6.0872, 26.3999

Deuteranopia

5.8302, 6.0399, 19.2709



Tritanopia

5.5560, 6.1454, 8.1011

Trichromacy



Original Color

11.4451, 6.0202, 37.6046

Protanomaly

7.5652, 5.3540, 29.9129

Deuteranomaly

6.7892, 5.2833, 25.0880

Tritanomaly

6.8875, 5.5408, 15.7454

Monochromacy



Original Color

11.4451, 6.0202, 37.6046

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.5620, 5.1281, 13.4759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4451, 6.0202, 37.6046 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(85, 36, 168)` looks like.

```
.text, #text, p{  
    color:rgb(85, 36, 168)  
}
```

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(85, 36, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 36, 168) }
```

Border

The CSS property to change the border of an element to XYZ 11.4451, 6.0202, 37.6046 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(85, 36, 168) }
```


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

```
.border{ border-color:rgb(85, 36, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 36, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 36, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 36, 168);  
box-shadow:4px 4px 4px 4px rgb(85, 36,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4451, 6.0202, 37.6046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 36, 168) }
```

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

```
.background{ background-color: rgb(85, 36,  
168) }
```

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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