

Converting Colors

XYZ(14.8765, 6.4451, 55.9962)

Have a look what the booklet for
XYZ(14.8765, 6.4451, 55.9962)
contains.

XYZ(14.8570, 6.4412, 55.7186)	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(14.8570, 6.4412,
55.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	5B00C9
RGB	91, 0, 201
RGB Percent	36%, 0%, 79%
CMY	0.6431, 1.0000, 0.2118
CMYK	0.55, 1.00, 0.00, 0.21
HSL	267°, 100%, 39%
HSV	267°, 100%, 79%
XYZ	14.8570, 6.4412, 55.7186
YIQ	50.1230, -10.2850, 81.8030

Conversions

Conversions Part 2

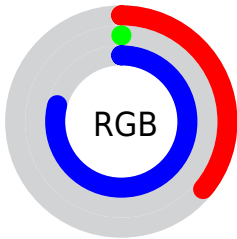
Format	Color
R _Y B	91, 0, 201
Decimal	5963977
CIE Lab	30.50, 68.91, -79.80
CIE LCh	30, 105.437, 310.812
Yxy	6.4412, 0.1929, 0.0836
Android (android.graphics.Color)	4284154057 (0xFF5B00C9)
YUV	50.1230, 74.3824, 35.8491
Hunter-Lab	25.3795, 60.0785, -112.4005

Details

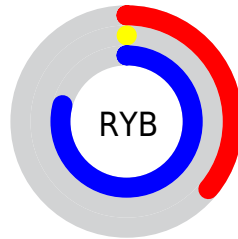
The XYZ color **14.8570, 6.4412, 55.7186** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **27.3165, 45.0882, 7.2632**, and the grayscale version is **2.9653, 3.1197, 3.3974**.

A 20% lighter version of the original color is **33.4401, 18.4988, 96.4159**, and **5.1108, 2.0443, 26.9133** is the 20% darker color. If you saturate the color by 10%, you get **14.8576, 6.4415, 55.7188**, and if you desaturate by 10%, it is **16.2746, 7.5460, 55.8573**.

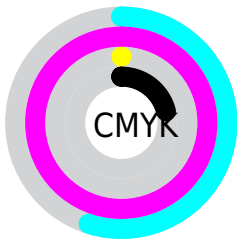
Distribution



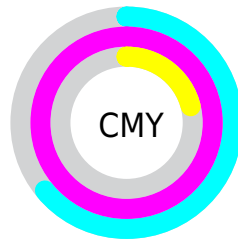
- Red (36%)
- Green (0%)
- Blue (79%)



- Red (36%)
- Yellow (0%)
- Blue (79%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (21%)



- Cyan (64%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8570, 6.4412, 55.7186 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 14.8570, 6.4412, 55.7186 by changing the saturation by 10% instead.

■ 14.8570, 6.4412,
55.7186

■ 14.8570, 6.4412,
55.7186

215.9046,
162.9363, 425.9886

■ 8.8047, 3.1152,
39.5749

■ 34.1758, 18.8399,
100.0747

■ 4.6701, 1.1922,
26.8960

■ 48.1731, 28.6813,
129.1242

■ 2.0878, 0.0553,
17.2634

■ 65.5495, 41.4634,
163.3126

■ 0.6826, 0.0000,
10.2585

■ 86.6703, 57.5704,
203.0586

■ 0.0000, 0.0000,
5.4628

■ 111.9008, 77.3868,
248.7806


■ 0.0000, 0.0000,
2.4579

■ 141.6065,

■ 0.0000, 0.0000,

101.2970, 300.8973

0.8177

 176.1526,
129.6854, 359.8271


 0.0000, 0.0000,
0.0000


 14.8570, 6.4412,
55.7186


 14.8570, 6.4412,
55.7186


 14.8576, 6.4415,
55.7188

 16.2746, 7.5460,
55.8573

 18.1188, 9.2592,
56.0908

 20.4870, 11.7657,
56.4498

 23.4329, 15.1643,
56.9505

 27.0025, 19.5389,
57.6068

■ 31.2366, 24.9632,
58.4306

■ 36.1722, 31.5036,
59.4329

■ 41.8434, 39.2209,
60.6236

■ 48.2817, 48.1716,
62.0119

Harmonies

Analogous

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



8.1194, 6.4412, 84.4221



14.8570, 6.4412, 55.7186



20.5318, 6.4412, 20.6051

Triad

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



14.8570, 6.4412, 55.7186



9.8783, 6.4412, 0.0000



0.6810, 6.4412, 13.5901

Complementary

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



14.8570, 6.4412, 55.7186



27.3165, 45.0882, 7.2632

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.



0.7783, 6.4412, 1.2836



14.8570, 6.4412, 55.7186



4.4827, 6.4412, 0.0000

Square

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



14.8570, 6.4412, 55.7186



16.7327, 6.4412, 0.0000



1.7297, 6.4412, 0.0000



1.3347, 6.4412, 45.0978

Rectangle

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



14.8570, 6.4412, 55.7186



21.7557, 6.4412, 6.6284



1.7297, 6.4412, 0.0000



0.6356, 6.4412, 7.4130

Sweetspot

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



14.8576, 6.4415, 55.7188



61.5502, 53.4266, 101.6761



16.1781, 15.4880, 57.3954



12.3735, 10.3669, 21.5988



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



14.8576, 6.4415, 55.7188



25.1801, 10.8957, 95.3837



32.0160, 15.2870, 56.5218



10.5051, 10.5187, 13.3941



9.4444, 4.1030, 35.0385



0.5304, 0.2372, 1.6630

Inverse Universe

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



26.9017, 13.5432, 15.9467



45.9402, 23.1401, 26.6809



21.0125, 41.8383, 6.9681



10.8726, 10.7324, 12.3124



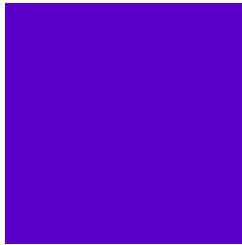
16.9614, 8.5341, 10.2727



0.8393, 0.4186, 0.6769

Previews

White Background



This preview shows how the XYZ color 14.8570, 6.4412, 55.7186 looks on a white background.

Color Contrast Check

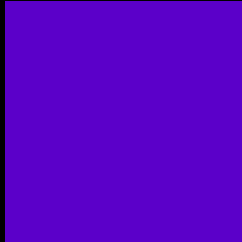
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.8570, 6.4412, 55.7186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

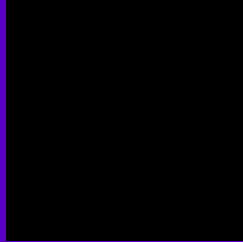
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8570, 6.4412, 55.7186

Background



This preview shows how black text looks on a background with the XYZ color 14.8570, 6.4412, 55.7186.



This preview shows how white text looks on a background with the XYZ color 14.8570, 6.4412, 55.7186.

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

14.8570, 6.4412, 55.7186

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.4807, 6.7274, 21.3790



Tritanopia

5.7293, 6.8085, 9.6065

Trichromacy



Original Color

14.8570, 6.4412, 55.7186

Protanomaly

8.7270, 5.0647, 38.0537

Deuteranomaly

7.6005, 4.8038, 31.5370

Tritanomaly

7.2181, 4.9718, 20.6579

Monochromacy



Original Color

14.8570, 6.4412, 55.7186

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.2463, 3.1768, 13.7013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8570, 6.4412, 55.7186 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(91, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 201)  
}
```

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(91, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 14.8570, 6.4412, 55.7186 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(91, 0, 201) }
```


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

```
.border{ border-color:rgb(91, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(91, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(91, 0, 201)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8570, 6.4412, 55.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 201) }
```

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

```
.background{ background-color: rgb(91, 0,  
201) }
```

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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