

Converting Colors

XYZ(12.6515, 9.8495, 59.1454)

Have a look what the booklet for
XYZ(12.6515, 9.8495, 59.1454)
contains.

XYZ(14.1127, 10.5943, 59.0587)	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(14.1127, 10.5943,
59.0587)**

Conversions

Conversions Part 1

Format	Color
Hex	0053CD
RGB	0, 83, 205
RGB Percent	0%, 33%, 80%
CMY	0.9998, 0.6745, 0.1961
CMYK	1.00, 0.60, 0.00, 0.20
HSL	216°, 100%, 40%
HSV	216°, 100%, 80%
XYZ	14.1127, 10.5943, 59.0587
YIQ	72.0910, -88.6300, 20.3460

Conversions

Conversions Part 2

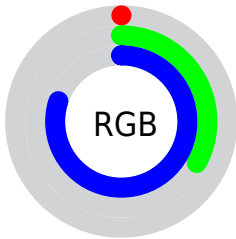
Format	Color
R _{YB}	0, 59, 205
Decimal	21453
CIE Lab	38.89, 28.18, -68.47
CIE LCh	39, 74.042, 292.367
Yxy	10.5943, 0.1685, 0.1265
Android (android.graphics.Color)	4278211533 (0xFF0053CD)
YUV	72.0910, 65.5241, -63.2238
Hunter-Lab	32.5489, 20.4343, -84.7952

Details

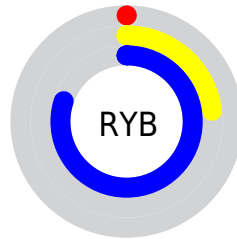
The XYZ color **14.1127, 10.5943, 59.0587** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **32.1425, 26.9099, 3.5013**, and the grayscale version is **6.0797, 6.3963, 6.9656**.

A 20% lighter version of the original color is **31.5568, 26.4319, 98.0464**, and **6.2638, 3.7196, 29.2420** is the 20% darker color. If you saturate the color by 10%, you get **14.1106, 10.5901, 59.0583**, and if you desaturate by 10%, it is **15.4297, 12.7832, 59.4121**.

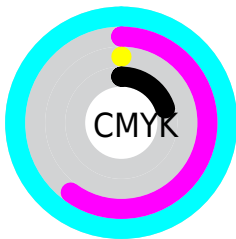
Distribution



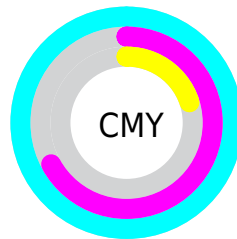
- Red (0%)
- Green (33%)
- Blue (80%)



- Red (0%)
- Yellow (23%)
- Blue (80%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (67%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1127, 10.5943, 59.0587 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 14.1127, 10.5943, 59.0587 by changing the saturation by 10% instead.

■ 14.1127, 10.5943,
59.0587

■ 14.1127, 10.5943,
59.0587

211.4274,
194.8626, 438.8273

■ 8.2813, 5.7947,
42.2401

■ 32.8735, 26.9075,
104.9929

■ 4.3288, 2.7207,
28.9623

■ 46.5335, 39.1899,
134.9456

■ 1.8898, 0.9877,
18.8070

■ 63.5339, 54.7354,
170.1134

■ 0.5709, 0.0000,
11.3555

■ 84.2399, 73.9283,
210.9147

■ 0.0000, 0.0000,
6.1893

■ 109.0169, 97.1531,
257.7683

■ 0.0000, 0.0000,
2.8899

138.2303,

■ 0.0000, 0.0000,

124.7942, 311.0925

1.0387

172.2453,
157.2359, 371.3061

■ 0.0000, 0.0000,
0.0000

■ 14.1127, 10.5943,
59.0587

■ 14.1127, 10.5943,
59.0587

■ 14.1106, 10.5901,
59.0583

■ 15.4297, 12.7832,
59.4121

■ 17.2358, 15.4802,
59.8375

■ 19.6472, 18.7561,
60.3427

■ 22.7288, 22.6550,
60.9328

■ 26.5364, 27.2152,
61.6124

■ 31.1193, 32.4718,
62.3854

■ 36.5221, 38.4566,
63.2559

■ 42.7860, 45.1995,
64.2272

■ 49.9491, 52.7283,
65.3029

Harmonies

Analogous

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



8.8654, 10.5943, 64.5599



14.1127, 10.5943, 59.0587



19.5655, 10.5943, 37.2230

Triad

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



14.1127, 10.5943, 59.0587



17.0154, 10.5943, 0.5881



3.3053, 10.5943, 8.3000

Complementary

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



14.1127, 10.5943, 59.0587



32.1425, 26.9099, 3.5013

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.



4.2849, 10.5943, 1.6434



14.1127, 10.5943, 59.0587



11.3781, 10.5943, 0.0000

Square

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



14.1127, 10.5943, 59.0587



21.5865, 10.5943, 3.9952



6.8833, 10.5943, 0.0000



3.6130, 10.5943, 25.2110

Rectangle

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



14.1127, 10.5943, 59.0587



22.0337, 10.5943, 21.8341



6.8833, 10.5943, 0.0000



3.4798, 10.5943, 5.1241

Sweetspot

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



14.1133, 10.5945, 59.0590



59.4392, 62.5726, 103.5527



25.1981, 45.0096, 25.0028



11.8827, 12.4698, 22.0306



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.



14.1133, 10.5945, 59.0590



22.9211, 16.9621, 96.6737



11.2534, 4.5291, 58.0390



10.9683, 11.5770, 14.2269



8.8723, 6.7685, 36.7951



0.5316, 0.4970, 1.9228

Inverse Universe

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



26.7388, 13.6047, 9.4002



43.6987, 22.2435, 14.8773



42.5513, 54.3443, 8.2481



11.3974, 11.2877, 12.6271



16.6892, 8.4863, 6.0821



0.8983, 0.4527, 0.5102

Previews

White Background



This preview shows how the XYZ color 14.1127, 10.5943, 59.0587 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 14.1127, 10.5943, 59.0587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

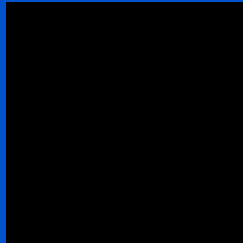
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1127, 10.5943, 59.0587

Background



This preview shows how black text looks on a background with the XYZ color 14.1127, 10.5943, 59.0587.



This preview shows how white text looks on a background with the XYZ color 14.1127, 10.5943,

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

14.1127, 10.5943, 59.0587

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.3479, 10.5435, 34.7474



Tritanopia

7.4581, 10.5855, 15.8375

Trichromacy



Original Color

14.1127, 10.5943, 59.0587

Protanomaly

13.0654, 10.5506, 52.3868

Deuteranomaly

11.4926, 10.4469, 42.4850

Tritanomaly

9.0501, 10.1676, 27.4721

Monochromacy



Original Color

14.1127, 10.5943, 59.0587

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.1013, 7.1058, 18.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1127, 10.5943, 59.0587 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(0, 83, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 205)  
}
```

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(0, 83, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 205) }
```

Border

The CSS property to change the border of an element to XYZ 14.1127, 10.5943, 59.0587 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(0, 83, 205) }
```


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

```
.border{ border-color:rgb(0, 83, 205) }
```

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

Here you see how a box with a 4 pixel rgb(0, 83, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 205)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.1127, 10.5943, 59.0587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 205) }
```

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

```
.background{ background-color: rgb(0, 83,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor