

Converting Colors

XYZ(13.4947, 10.0363, 56.7625)

Have a look what the booklet for
XYZ(13.4947, 10.0363, 56.7625)
contains.

XYZ(13.4113, 9.9544, 56.4729)	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(13.4113, 9.9544,
56.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	0050C9
RGB	0, 80, 201
RGB Percent	0%, 31%, 79%
CMY	0.9998, 0.6863, 0.2118
CMYK	1.00, 0.60, 0.00, 0.21
HSL	216°, 100%, 39%
HSV	216°, 100%, 79%
XYZ	13.4113, 9.9544, 56.4729
YIQ	69.8740, -86.5210, 20.6710

Conversions

Conversions Part 2

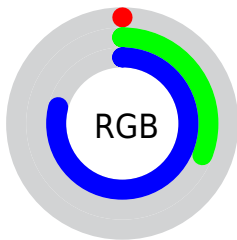
Format	Color
RYB	0, 57, 201
Decimal	20681
CIELab	37.76, 28.58, -68.00
CIElCh	38, 73.761, 292.795
Yxy	9.9544, 0.1680, 0.1247
Android (android.graphics.Color)	4278210761 (0xFF0050C9)
YUV	69.8740, 64.6451, -61.2795
Hunter-Lab	31.5506, 20.6620, -84.0387

Details

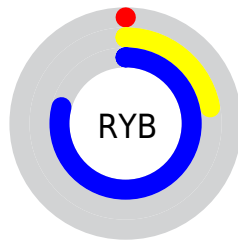
The XYZ color **13.4113, 9.9544, 56.4729** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **30.9307, 26.1036, 3.4096**, and the grayscale version is **5.7095, 6.0069, 6.5415**.

A 20% lighter version of the original color is **31.0458, 25.5732, 97.9076**, and **5.8499, 3.3985, 27.5418** is the 20% darker color. If you saturate the color by 10%, you get **13.4093, 9.9503, 56.4725**, and if you desaturate by 10%, it is **14.6701, 12.0394, 56.8093**.

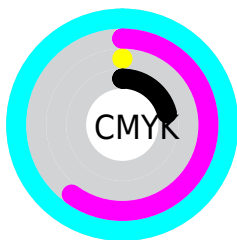
Distribution



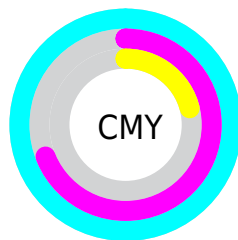
- Red (0%)
- Green (31%)
- Blue (79%)



- Red (0%)
- Yellow (22%)
- Blue (79%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (69%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4113, 9.9544, 56.4729 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 13.4113, 9.9544, 56.4729 by changing the saturation by 10% instead.

■ 13.4113, 9.9544,
56.4729

■ 13.4113, 9.9544,
56.4729

207.1218,
190.3463, 428.9095

■ 7.7913, 5.3687,
40.1757

■ 31.6358, 25.7097,
101.1884

■ 4.0124, 2.4652,
27.3607

■ 44.9711, 37.6481,
130.4437

■ 1.7091, 0.8591,
17.6095

■ 61.6088, 52.8062,
164.8554

■ 0.4620, 0.0000,
10.5034

■ 81.9143, 71.5685,
204.8421

■ 0.0000, 0.0000,
5.6241

■ 106.2530, 94.3192,
250.8223

■ 0.0000, 0.0000,
2.5528

134.9903,

■ 0.0000, 0.0000,

121.4428, 303.2146

0.8679

168.4914,
153.3237, 362.4375

■ 0.0000, 0.0000,
0.0000

■ 13.4113, 9.9544,
56.4729

■ 13.4113, 9.9544,
56.4729

■ 13.4093, 9.9503,
56.4725

■ 14.6701, 12.0394,
56.8093

■ 16.3983, 14.6151,
57.2154

■ 18.7080, 17.7504,
57.6988

■ 21.6615, 21.4877,
58.2645

■ 25.3120, 25.8642,
58.9169

■ 29.7068, 30.9135,
59.6598

■ 34.8885, 36.6666,
60.4972

■ 40.8965, 43.1521,
61.4324

■ 47.7674, 50.3971,
62.4686

Harmonies

Analogous

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



8.3729, 9.9544, 62.1107



13.4113, 9.9544, 56.4729



18.6361, 9.9544, 35.2207

Triad

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



13.4113, 9.9544, 56.4729



16.0435, 9.9544, 0.4443



3.0304, 9.9544, 7.9065

Complementary

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



13.4113, 9.9544, 56.4729



30.9307, 26.1036, 3.4096

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.



3.9354, 9.9544, 1.5137



13.4113, 9.9544, 56.4729



10.6403, 9.9544, 0.0000

Square

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



13.4113, 9.9544, 56.4729



20.4740, 9.9544, 3.5867



6.3748, 9.9544, 0.0000



3.3372, 9.9544, 24.2724

Rectangle

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



13.4113, 9.9544, 56.4729



20.9823, 9.9544, 20.4352



6.3748, 9.9544, 0.0000



3.1890, 9.9544, 4.8452

Sweetspot

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



13.4119, 9.9546, 56.4732



59.3101, 62.3143, 103.5096



24.3151, 43.1449, 25.0129



11.8524, 12.4093, 22.0205



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.



13.4119, 9.9546, 56.4732



22.7482, 16.6164, 96.6161



10.8345, 4.3682, 55.5308



10.3972, 10.9684, 13.4866



8.5152, 6.4244, 35.5356



0.4737, 0.4451, 1.7061

Inverse Universe

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



25.5360, 12.9977, 8.7522



43.6114, 22.2086, 14.4178



39.9208, 51.5859, 7.8543



10.8058, 10.7057, 11.9604



16.0974, 8.1885, 5.7229



0.7978, 0.4020, 0.4583

Previews

White Background



This preview shows how the XYZ color 13.4113, 9.9544, 56.4729 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 13.4113, 9.9544, 56.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

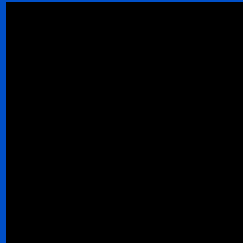
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4113, 9.9544, 56.4729

Background



This preview shows how black text looks on a background with the XYZ color 13.4113, 9.9544, 56.4729.



This preview shows how white text looks on a background with the XYZ color 13.4113, 9.9544,

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

13.4113, 9.9544, 56.4729

Protanopia

11.5890, 9.8332, 45.0033

Deuteranopia

9.6575, 9.8487, 32.4023



Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

13.4113, 9.9544, 56.4729

Protanomaly

12.1704, 9.8174, 48.8304

Deuteranomaly

10.8546, 9.7949, 40.3482

Tritanomaly

8.4873, 9.5184, 25.8160

Monochromacy



Original Color

13.4113, 9.9544, 56.4729

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

6.8010, 6.7635, 18.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4113, 9.9544, 56.4729 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, 80, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 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(0, 80, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 201) }
```

Border

The CSS property to change the border of an element to XYZ 13.4113, 9.9544, 56.4729 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, 80, 201) }
```


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

```
.border{ border-color:rgb(0, 80, 201) }
```

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

Here you see how a box with a 4 pixel rgb(0, 80, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 201)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4113, 9.9544, 56.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 201) }
```

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

```
.background{ background-color: rgb(0, 80,  
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](#).

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