

Converting Colors

XYZ(14.6928, 8.3735, 68.0673)

Have a look what the booklet for
XYZ(14.6928, 8.3735, 68.0673)
contains.

XYZ(14.6301, 8.3112, 67.8510)	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(14.6301, 8.3112,
67.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	163ADB
RGB	22, 58, 219
RGB Percent	9%, 23%, 86%
CMY	0.9136, 0.7726, 0.1412
CMYK	0.90, 0.74, 0.00, 0.14
HSL	229°, 82%, 47%
HSV	229°, 90%, 86%
XYZ	14.6301, 8.3112, 67.8510
YIQ	65.5900, -73.1370, 42.4390

Conversions

Conversions Part 2

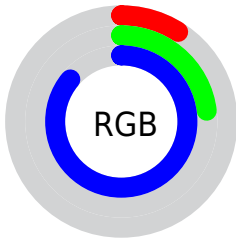
Format	Color
RYB	22, 52, 219
Decimal	1456859
CIELab	34.62, 49.76, -83.55
CIELCh	35, 97.244, 300.777
Yxy	8.3112, 0.1611, 0.0915
Android (android.graphics.Color)	4279646939 (0xFF163ADB)
YUV	65.5900, 75.6311, -38.2284
Hunter-Lab	28.8292, 40.1334, -119.3619

Details

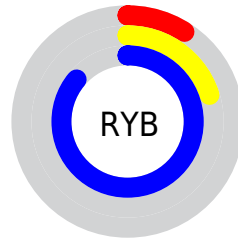
The XYZ color **14.6301, 8.3112, 67.8510** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **46.2984, 48.9977, 7.7778**, and the grayscale version is **5.0118, 5.2728, 5.7421**.

A 20% lighter version of the original color is **29.7596, 20.9076, 97.0748**, and **6.6924, 2.9503, 34.3992** is the 20% darker color. If you saturate the color by 10%, you get **13.5499, 6.6395, 67.5855**, and if you desaturate by 10%, it is **16.3993, 10.8033, 68.2391**.

Distribution



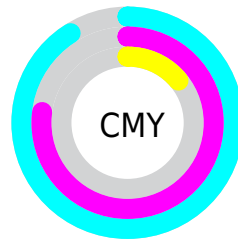
- Red (9%)
- Green (23%)
- Blue (86%)



- Red (9%)
- Yellow (20%)
- Blue (86%)



- Cyan (90%)
- Magenta (74%)
- Yellow (0%)
- Black (14%)



- Cyan (91%)
- Magenta (77%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6301, 8.3112, 67.8510 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 14.6301, 8.3112, 67.8510 by changing the saturation by 10% instead.

■ 14.6301, 8.3112,
67.8510

■ 14.6301, 8.3112,
67.8510

214.5493,
178.1529, 471.5516

■ 8.6448, 4.2947,
49.3106

■ 33.7800, 22.5663,
117.7912

■ 4.5655, 1.8398,
34.4986

■ 47.6752, 33.5737,
150.0280

■ 2.0268, 0.5118,
22.9964

■ 64.9379, 47.6802,
187.6674

■ 0.6489, 0.0000,
14.3856

■ 85.9333, 65.2702,
231.1279

■ 0.0000, 0.0000,
8.2475

■ 111.0268, 86.7281,
280.8280

■ 0.0000, 0.0000,
4.1637

■ 140.5837,

■ 0.0000, 0.0000,

112.4382, 337.1863

1.7156

174.9694,
142.7850, 400.6213

■ 0.0000, 0.0000,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 14.6301, 8.3112,
67.8510

■ 14.6301, 8.3112,
67.8510

■ 13.5499, 6.6395,
67.5855

■ 16.3993, 10.8033,
68.2391

■ 13.5448, 6.6316,
67.5843

■ 19.0063, 14.2366,
68.7643

■ 22.5462, 18.6983,
69.4390

■ 27.1002, 24.2651,
70.2734

■ 32.7403, 31.0060,
71.2773

■ 39.5320, 38.9843,
72.4593

■ 47.5354, 48.2588,
73.8277

■ 56.8064, 58.8843,
75.3899

■ 67.3973, 70.9124,
77.1534

Harmonies

Analogous

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



8.0437, 8.3112, 85.5011



14.6301, 8.3112, 67.8510



21.1668, 8.3112, 33.3051

Triad

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



14.6301, 8.3112, 67.8510



14.2590, 8.3112, 0.0000



1.3459, 8.3112, 9.4661

Complementary

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



14.6301, 8.3112, 67.8510



46.2984, 48.9977, 7.7778

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.



1.8024, 8.3112, 0.8543



14.6301, 8.3112, 67.8510



7.7571, 8.3112, 0.0000

Square

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



14.6301, 8.3112, 67.8510



20.8916, 8.3112, 0.6945



3.6339, 8.3112, 0.0000



1.8564, 8.3112, 35.0284

Rectangle

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



14.6301, 8.3112, 67.8510



23.5831, 8.3112, 14.8145



3.6339, 8.3112, 0.0000



1.3880, 8.3112, 5.0158

Sweetspot

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



14.6307, 8.3113, 67.8513



58.6959, 58.3974, 102.7860



34.1988, 54.2484, 53.4076



11.7821, 11.5894, 21.8660



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.



14.6307, 8.3113, 67.8513



19.0493, 9.2186, 95.3831



16.7660, 7.5928, 67.6001



12.5301, 12.9999, 16.5010



8.0891, 4.0477, 40.0933



0.5822, 0.3784, 2.6168

Inverse Universe

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



30.2647, 15.9405, 5.4844



41.7444, 21.4618, 4.5861



39.3085, 57.8518, 9.8552



13.1527, 13.0902, 14.0652



17.5784, 9.0324, 2.1597



1.1681, 0.5969, 0.2943

Previews

White Background



This preview shows how the XYZ color 14.6301, 8.3112, 67.8510 looks on a white background.

Color Contrast Check

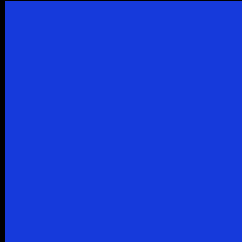
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6301, 8.3112, 67.8510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

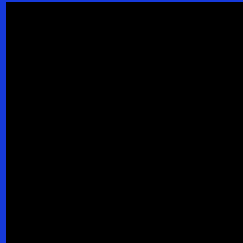
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6301, 8.3112, 67.8510

Background



This preview shows how black text looks on a background with the XYZ color 14.6301, 8.3112, 67.8510.



This preview shows how white text looks on a background with the XYZ color 14.6301, 8.3112,

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

14.6301, 8.3112, 67.8510

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.8269, 8.0800, 25.9580



Tritanopia

5.6765, 8.1205, 11.8579

Trichromacy



Original Color

14.6301, 8.3112, 67.8510

Protanomaly

11.0051, 8.0188, 46.3151

Deuteranomaly

9.7104, 7.8138, 38.5325

Tritanomaly

7.4847, 7.3645, 25.4531

Monochromacy



Original Color

14.6301, 8.3112, 67.8510

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.6058, 5.6383, 19.1525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6301, 8.3112, 67.8510 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(22, 58, 219)` looks like.

```
.text, #text, p{  
    color:rgb(22, 58, 219)  
}
```

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(22, 58, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 58, 219) }
```

Border

The CSS property to change the border of an element to XYZ 14.6301, 8.3112, 67.8510 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(22, 58, 219) }
```


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

```
.border{ border-color:rgb(22, 58, 219) }
```

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

Here you see how a box with a 4 pixel rgb(22, 58, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 58, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 58, 219);  
box-shadow:4px 4px 4px 4px rgb(22, 58,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6301, 8.3112, 67.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 58, 219) }
```

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

```
.background{ background-color: rgb(22, 58,  
219) }
```

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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