

Converting Colors

XYZ(12.2656, 14.3022, 40.3925)

Have a look what the booklet for
XYZ(12.2656, 14.3022, 40.3925)
contains.

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Color

**XYZ(13.2558, 14.7505,
40.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	0071AB
RGB	0, 113, 171
RGB Percent	0%, 44%, 67%
CMY	0.9999, 0.5569, 0.3294
CMYK	1.00, 0.34, 0.00, 0.33
HSL	200°, 100%, 34%
HSV	200°, 100%, 67%
XYZ	13.2558, 14.7505, 40.6766
YIQ	85.8250, -85.9660, -5.9180

Conversions

Conversions Part 2

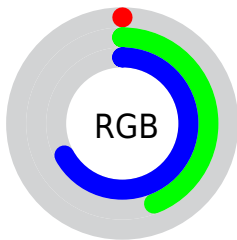
Format	Color
RYB	0, 68, 171
Decimal	29099
CIELab	45.29, -4.89, -38.37
CIELCh	45, 38.680, 262.738
Yxy	14.7505, 0.1930, 0.2148
Android (android.graphics.Color)	4278219179 (0xFF0071AB)
YUV	85.8250, 41.9913, -75.2685
Hunter-Lab	38.4064, -5.6026, -35.9102

Details

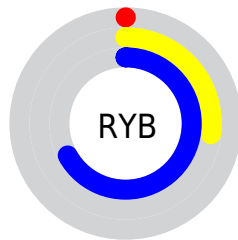
The XYZ color **13.2558, 14.7505, 40.6766** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.3095, 11.6872, 1.2917**, and the grayscale version is **8.7374, 9.1924, 10.0105**.

A 20% lighter version of the original color is **31.5367, 34.6300, 77.6951**, and **5.2182, 5.2044, 17.8691** is the 20% darker color. If you saturate the color by 10%, you get **13.2548, 14.7485, 40.6766**, and if you desaturate by 10%, it is **14.1575, 16.2072, 40.9106**.

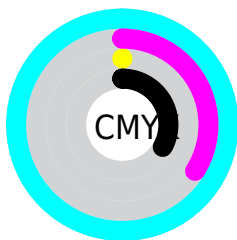
Distribution



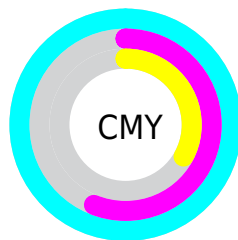
- Red (0%)
- Green (44%)
- Blue (67%)



- Red (0%)
- Yellow (27%)
- Blue (67%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2558, 14.7505, 40.6766 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 13.2558, 14.7505, 40.6766 by changing the saturation by 10% instead.

■ 13.2558, 14.7505,
40.6766

■ 13.2558, 14.7505,
40.6766

■ 206.1552,
221.8511, 364.6037

■ 7.6831, 8.6445,
27.7487

■ 31.3600, 34.4149,
77.4410

■ 3.9430, 4.5100,
17.8989

■ 44.6222, 48.7420,
102.1147

■ 1.6699, 1.9628,
10.7087

■ 61.1784, 66.5783,
131.5406

■ 0.4373, 0.5857,
5.7596

■ 81.3938, 88.3082,
166.1373

■ 0.0000, 0.0000,
2.6331

■ 105.6339,
114.3160, 206.3235

■ 0.0000, 0.0000,
0.9095

■ 134.2639,

■ 0.0000, 0.0000,

144.9861, 252.5176

0.0000

167.6492,
180.7030, 305.1381

■ 13.2558, 14.7505,
40.6766

■ 13.2558, 14.7505,
40.6766

■ 13.2548, 14.7485,
40.6766

■ 14.1575, 16.2072,
40.9106

■ 15.3015, 17.8512,
41.1676

■ 16.7692, 19.7257,
41.4521

■ 18.5979, 21.8509,
41.7659

■ 20.8193, 24.2443,
42.1108

■ 23.4617, 26.9214,
42.4882

■ 26.5502, 29.8962,
42.8996

■ 30.1082, 33.1816,
43.3463

■ 34.1571, 36.7897,
43.8293

Harmonies

Analogous

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



10.6122, 14.7505, 34.5830



13.2558, 14.7505, 40.6766



16.5373, 14.7505, 38.4352

Triad

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



13.2558, 14.7505, 40.6766



20.5008, 14.7505, 10.1630



9.6678, 14.7505, 7.5744

Complementary

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



13.2558, 14.7505, 40.6766



18.3095, 11.6872, 1.2917

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.



11.7719, 14.7505, 4.6683



13.2558, 14.7505, 40.6766



18.0887, 14.7505, 5.7165

Square

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



13.2558, 14.7505, 40.6766



21.0587, 14.7505, 18.3949



14.8128, 14.7505, 4.1495



8.7555, 14.7505, 13.9330

Rectangle

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



13.2558, 14.7505, 40.6766



18.6281, 14.7505, 32.8083



14.8128, 14.7505, 4.1495



10.2423, 14.7505, 6.2778

Sweetspot

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



13.2564, 14.7510, 40.6770



47.2250, 53.2358, 76.7884



15.3025, 29.4219, 8.7461



10.0084, 11.3734, 17.0555



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.2564, 14.7510, 40.6770



23.5348, 26.0060, 72.7811



7.7790, 3.7961, 38.8512



8.0040, 8.6075, 10.1922



10.0423, 11.2184, 30.6806



0.3273, 0.4080, 0.8695

Inverse Universe

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



19.7758, 9.8509, 16.4822



35.3126, 17.5996, 28.9712



26.5433, 28.1549, 4.0363



8.2198, 8.1012, 9.4685



14.9325, 7.4355, 12.5560



0.4396, 0.2165, 0.4767

Previews

White Background



This preview shows how the XYZ color 13.2558, 14.7505, 40.6766 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 13.2558, 14.7505, 40.6766 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 13.2558, 14.7505, 40.6766

Background



This preview shows how black text looks on a background with the XYZ color 13.2558, 14.7505, 40.6766.



This preview shows how white text looks on a background with the XYZ color 13.2558, 14.7505,

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

13.2558, 14.7505, 40.6766

Protanopia

15.5902, 14.7619, 37.1496

Deuteranopia

15.0880, 14.7229, 41.0763



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

13.2558, 14.7505, 40.6766

Protanomaly

13.9132, 14.3274, 38.5914

Deuteranomaly

13.9113, 14.4294, 41.0817

Tritanomaly

11.3953, 14.7362, 28.6293

Monochromacy



Original Color

13.2558, 14.7505, 40.6766

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.9693, 10.4623, 18.3763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2558, 14.7505, 40.6766 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, 113, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 171)  
}
```

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, 113, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 171) }
```

Border

The CSS property to change the border of an element to XYZ 13.2558, 14.7505, 40.6766 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, 113, 171) }
```


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

```
.border{ border-color:rgb(0, 113, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2558, 14.7505, 40.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 171) }
```

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

```
.background{ background-color: rgb(0, 113,  
171) }
```

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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