

Converting Colors

XYZ(3.7744, 10.1455, 41.4587)

Have a look what the booklet for
XYZ(3.7744, 10.1455, 41.4587)
contains.

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Color

**XYZ(13.6736, 15.2786,
41.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	0073AD
RGB	0, 115, 173
RGB Percent	0%, 45%, 68%
CMY	0.9999, 0.5490, 0.3216
CMYK	1.00, 0.34, 0.00, 0.32
HSL	200°, 100%, 34%
HSV	200°, 100%, 68%
XYZ	13.6736, 15.2786, 41.7636
YIQ	87.2270, -87.1580, -6.3420

Conversions

Conversions Part 2

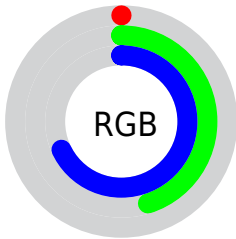
Format	Color
RYB	0, 69, 173
Decimal	29613
CIELab	46.01, -5.31, -38.39
CIELCh	46, 38.760, 262.127
Yxy	15.2786, 0.1934, 0.2161
Android (android.graphics.Color)	4278219693 (0xFF0073AD)
YUV	87.2270, 42.2861, -76.4981
Hunter-Lab	39.0878, -5.9614, -35.9872

Details

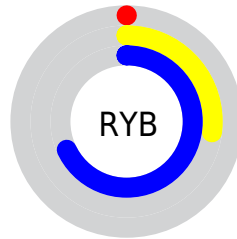
The XYZ color **13.6736, 15.2786, 41.7636** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.7488, 11.9141, 1.3125**, and the grayscale version is **9.0356, 9.5062, 10.3522**.

A 20% lighter version of the original color is **32.1780, 35.4682, 79.2788**, and **5.3973, 5.3704, 18.5214** is the 20% darker color. If you saturate the color by 10%, you get **13.6724, 15.2762, 41.7635**, and if you desaturate by 10%, it is **14.5935, 16.7662, 42.0026**.

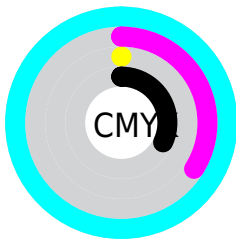
Distribution



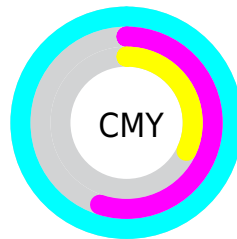
- Red (0%)
- Green (45%)
- Blue (68%)



- Red (0%)
- Yellow (27%)
- Blue (68%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (55%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6736, 15.2786, 41.7636 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 13.6736, 15.2786, 41.7636 by changing the saturation by 10% instead.

■ 13.6736, 15.2786,
41.7636

■ 13.6736, 15.2786,
41.7636

208.7422,
225.0464, 369.2727

■ 7.9742, 9.0151,
28.5920

■ 32.0999, 35.3412,
79.1079

■ 4.1301, 4.7511,
18.5295

■ 45.5574, 49.9091,
104.1178

■ 1.7760, 2.1020,
11.1575

■ 62.3318, 68.0140,
133.9109

■ 0.5031, 0.6657,
6.0573

■ 82.7882, 90.0402,
168.9056

■ 0.0000, 0.0000,
2.8106

■ 107.2921,
116.3722, 209.5207

■ 0.0000, 0.0000,
0.9988

■ 136.2089,

■ 0.0000, 0.0000,

147.3942, 256.1745

0.0000

169.9038,
183.4908, 309.2857

■ 13.6736, 15.2786,
41.7636

■ 13.6736, 15.2786,
41.7636

■ 13.6724, 15.2762,
41.7635

■ 14.5935, 16.7662,
42.0026

■ 15.7620, 18.4446,
42.2650

■ 17.2620, 20.3580,
42.5552

■ 19.1319, 22.5270,
42.8753

■ 21.4045, 24.9697,
43.2270

■ 24.1085, 27.7019,
43.6119

■ 27.2701, 30.7379,
44.0313

■ 30.9131, 34.0911,
44.4865

■ 35.0597, 37.7737,
44.9788

Harmonies

Analogous

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



10.9786, 15.2786, 35.3940



13.6736, 15.2786, 41.7636



17.0337, 15.2786, 39.6539

Triad

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



13.6736, 15.2786, 41.7636



21.1952, 15.2786, 10.7093



10.0842, 15.2786, 7.8173

Complementary

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



13.6736, 15.2786, 41.7636



18.7488, 11.9141, 1.3125

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.



12.2700, 15.2786, 4.8742



13.6736, 15.2786, 41.7636



18.7556, 15.2786, 6.0512

Square

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



13.6736, 15.2786, 41.7636



21.7215, 15.2786, 19.2391



15.4045, 15.2786, 4.3794



9.1199, 15.2786, 14.2786

Rectangle

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



13.6736, 15.2786, 41.7636



19.1849, 15.2786, 33.9851



15.4045, 15.2786, 4.3794



10.6832, 15.2786, 6.5019

Sweetspot

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



13.6742, 15.2791, 41.7640



48.5088, 54.7391, 78.8148



15.7000, 30.1900, 8.9616



10.0232, 11.4032, 17.0604



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.



13.6742, 15.2791, 41.7640



24.2805, 26.9469, 74.7273



7.9794, 3.8894, 39.8657



8.0067, 8.6127, 10.1931



10.0985, 11.3309, 30.6994



0.3286, 0.4105, 0.8699

Inverse Universe

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



20.3287, 10.1229, 17.1024



36.3016, 18.0861, 30.0755



27.2335, 28.8834, 4.1407



8.2212, 8.1017, 9.4755



14.9609, 7.4469, 12.7055



0.4403, 0.2168, 0.4801

Previews

White Background



This preview shows how the XYZ color 13.6736, 15.2786, 41.7636 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 13.6736, 15.2786, 41.7636 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 13.6736, 15.2786, 41.7636

Background



This preview shows how black text looks on a background with the XYZ color 13.6736, 15.2786, 41.7636.



This preview shows how white text looks on a background with the XYZ color 13.6736, 15.2786,

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

13.6736, 15.2786, 41.7636

Protanopia

16.1651, 15.3433, 38.1859

Deuteranopia

15.6344, 15.2954, 42.1727



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

13.6736, 15.2786, 41.7636

Protanomaly

14.3682, 14.8572, 39.6466

Deuteranomaly

14.4066, 14.9828, 42.1771

Tritanomaly

11.7851, 15.2690, 29.5202

Monochromacy



Original Color

13.6736, 15.2786, 41.7636

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.1203, 10.6696, 18.7183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6736, 15.2786, 41.7636 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, 115, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 173)  
}
```

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, 115, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 173) }
```

Border

The CSS property to change the border of an element to XYZ 13.6736, 15.2786, 41.7636 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, 115, 173) }
```


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

```
.border{ border-color:rgb(0, 115, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6736, 15.2786, 41.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 173) }
```

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

```
.background{ background-color: rgb(0, 115,  
173) }
```

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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