

Converting Colors

XYZ(13.1546, 15.3542, 37.3927)

Have a look what the booklet for
XYZ(13.1546, 15.3542, 37.3927)
contains.

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Color

**XYZ(13.0979, 15.2493,
37.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	0C74A4
RGB	12, 116, 164
RGB Percent	5%, 45%, 64%
CMY	0.9528, 0.5451, 0.3569
CMYK	0.93, 0.29, 0.00, 0.36
HSL	199°, 86%, 35%
HSV	199°, 93%, 64%
XYZ	13.0979, 15.2493, 37.3750
YIQ	90.3760, -77.3920, -7.1200

Conversions

Conversions Part 2

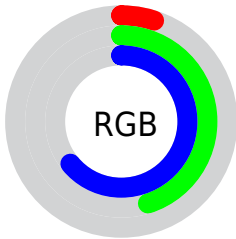
Format	Color
RYB	12, 74, 164
Decimal	816292
CIELab	45.97, -8.87, -33.18
CIELCh	46, 34.348, 255.038
Yxy	15.2493, 0.1993, 0.2320
Android (android.graphics.Color)	4279006372 (0xFF0C74A4)
YUV	90.3760, 36.2966, -68.7358
Hunter-Lab	39.0504, -8.4673, -29.4111

Details

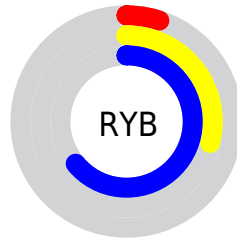
The XYZ color **13.0979, 15.2493, 37.3750** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.9939, 11.1539, 1.6060**, and the grayscale version is **9.7382, 10.2453, 11.1572**.

A 20% lighter version of the original color is **31.1032, 35.3439, 72.2006**, and **4.9918, 5.3041, 16.0899** is the 20% darker color. If you saturate the color by 10%, you get **12.5174, 14.3133, 37.2252**, and if you desaturate by 10%, it is **14.0510, 16.6521, 37.5959**.

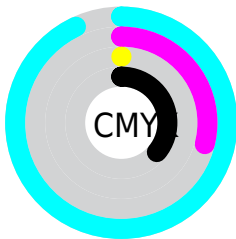
Distribution



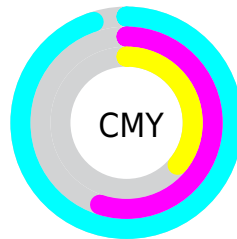
- Red (5%)
- Green (45%)
- Blue (64%)



- Red (5%)
- Yellow (29%)
- Blue (64%)



- Cyan (93%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)



- Cyan (95%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0979, 15.2493, 37.3750 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 13.0979, 15.2493, 37.3750 by changing the saturation by 10% instead.

■ 13.0979, 15.2493,
37.3750

■ 13.0979, 15.2493,
37.3750

205.1691,
224.8702, 350.1487

■ 7.5735, 8.9945,
25.1999

■ 31.0794, 35.2899,
72.3419

■ 3.8727, 4.7376,
16.0057

■ 44.2671, 49.8446,
95.9708

■ 1.6304, 2.0942,
9.3738

■ 60.7400, 67.9347,
124.2548

■ 0.4121, 0.6613,
4.8856

■ 80.8634, 89.9446,
157.6123

■ 0.0000, 0.0000,
2.1228

■ 105.0026,
116.2587, 196.4619

■ 0.0000, 0.0000,
0.6293

■ 133.5231,

■ 0.0000, 0.0000,

147.2614, 241.2221

0.0000

166.7901,
183.3371, 292.3115

■ 13.0979, 15.2493,
37.3750

■ 13.0979, 15.2493,
37.3750

■ 12.5174, 14.3133,
37.2252

■ 14.0510, 16.6521,
37.5959

■ 15.2827, 18.2486,
37.8391

■ 16.8287, 20.0581,
38.1069

■ 18.7186, 22.0965,
38.4007

■ 20.9783, 24.3781,
38.7220

■ 23.6312, 26.9155,
39.0720

■ 26.6986, 29.7205,
39.4517

■ 30.2001, 32.8038,
39.8623

■ 34.1541, 36.1756,
40.3047

Harmonies

Analogous

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



10.8913, 15.2493, 30.7064



13.0979, 15.2493, 37.3750



15.9936, 15.2493, 37.3656

Triad

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



13.0979, 15.2493, 37.3750



20.5919, 15.2493, 12.7862



10.8869, 15.2493, 7.6646

Complementary

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



13.0979, 15.2493, 37.3750



16.9939, 11.1539, 1.6060

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.



13.0912, 15.2493, 5.4439



13.0979, 15.2493, 37.3750



18.8147, 15.2493, 7.6556

Square

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



13.0979, 15.2493, 37.3750



20.5943, 15.2493, 21.0905



15.9859, 15.2493, 5.4412



9.7357, 15.2493, 12.8035

Rectangle

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



13.0979, 15.2493, 37.3750



17.9467, 15.2493, 33.4678



15.9859, 15.2493, 5.4412



11.5152, 15.2493, 6.6414

Sweetspot

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



13.0985, 15.2498, 37.3754



45.1050, 50.9027, 71.2002



14.1817, 26.9312, 8.4034



9.3810, 10.6841, 15.5053



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.0985, 15.2498, 37.3754



22.5264, 25.5917, 67.5048



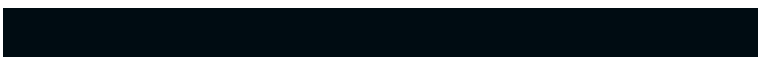
7.6960, 4.4449, 35.5746



7.0865, 7.6321, 9.0027



9.6417, 11.0628, 28.5569



0.2420, 0.3113, 0.6132

Inverse Universe

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



18.5943, 9.4172, 17.3611



33.0209, 16.4186, 28.8460



23.8473, 24.8608, 3.8905



7.2687, 7.1639, 8.4011



14.0121, 6.9609, 12.5205



0.3143, 0.1542, 0.3679

Previews

White Background



This preview shows how the XYZ color 13.0979, 15.2493, 37.3750 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 13.0979, 15.2493, 37.3750 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 13.0979, 15.2493, 37.3750

Background



This preview shows how black text looks on a background with the XYZ color 13.0979, 15.2493, 37.3750.

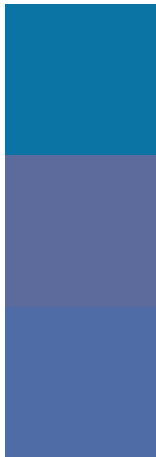


This preview shows how white text looks on a background with the XYZ color 13.0979, 15.2493,

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

13.0979, 15.2493, 37.3750

Protanopia

15.6721, 15.1910, 33.5586

Deuteranopia

15.5538, 15.1838, 38.1874



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

13.0979, 15.2493, 37.3750

Protanomaly

13.8838, 14.7118, 34.9088

Deuteranomaly

14.0515, 14.8977, 37.7323

Tritanomaly

11.5294, 15.1725, 27.9121

Monochromacy



Original Color

13.0979, 15.2493, 37.3750

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.6593, 11.2322, 18.4885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0979, 15.2493, 37.3750 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(12, 116, 164)` looks like.

```
.text, #text, p{  
    color:rgb(12, 116, 164)  
}
```

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(12, 116, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 116, 164) }
```

Border

The CSS property to change the border of an element to XYZ 13.0979, 15.2493, 37.3750 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(12, 116, 164) }
```


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

```
.border{ border-color:rgb(12, 116, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 116, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 116, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 116, 164);  
box-shadow:4px 4px 4px 4px rgb(12, 116,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0979, 15.2493, 37.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 116, 164) }
```

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

```
.background{ background-color: rgb(12, 116,  
164) }
```

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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