

Converting Colors

XYZ(13.1100, 15.2734, 37.2854)

Have a look what the booklet for
XYZ(13.1100, 15.2734, 37.2854)
contains.

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Color

**XYZ(13.1122, 15.2567,
37.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	0D74A4
RGB	13, 116, 164
RGB Percent	5%, 45%, 64%
CMY	0.9489, 0.5451, 0.3569
CMYK	0.92, 0.29, 0.00, 0.36
HSL	199°, 85%, 35%
HSV	199°, 92%, 64%
XYZ	13.1122, 15.2567, 37.3757
YIQ	90.6750, -76.7960, -6.9080

Conversions

Conversions Part 2

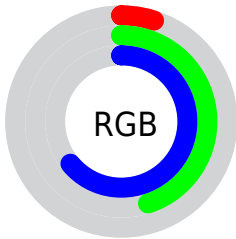
Format	Color
RYB	13, 74, 164
Decimal	881828
CIELab	45.98, -8.82, -33.17
CIELCh	46, 34.319, 255.113
Yxy	15.2567, 0.1994, 0.2321
Android (android.graphics.Color)	4279071908 (0xFF0D74A4)
YUV	90.6750, 36.1492, -68.1210
Hunter-Lab	39.0598, -8.4331, -29.3917

Details

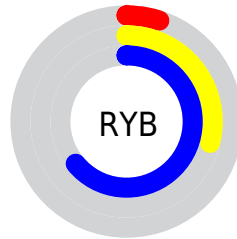
The XYZ color **13.1122, 15.2567, 37.3757** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.0527, 11.2615, 1.6564**, and the grayscale version is **9.8052, 10.3158, 11.2340**.

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 **12.4798, 14.2381, 37.2127**, and if you desaturate by 10%, it is **14.0832, 16.6749, 37.5986**.

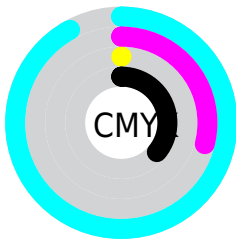
Distribution



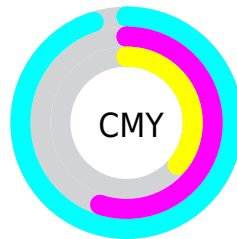
- Red (5%)
- Green (45%)
- Blue (64%)



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



- Cyan (92%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1122, 15.2567, 37.3757 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 13.1122, 15.2567, 37.3757 by changing the saturation by 10% instead.

■ 13.1122, 15.2567,
37.3757

■ 13.1122, 15.2567,
37.3757

205.2586,
224.9147, 350.1518

■ 7.5834, 8.9997,
25.2004

■ 31.1048, 35.3029,
72.3430

■ 3.8791, 4.7410,
16.0061

■ 44.2993, 49.8609,
95.9721

■ 1.6340, 2.0961,
9.3741

■ 60.7798, 67.9547,
124.2563

■ 0.4144, 0.6624,
4.8858

■ 80.9115, 89.9687,
157.6141

■ 0.0000, 0.0000,
2.1229

■ 105.0599,
116.2874, 196.4640

■ 0.0000, 0.0000,
0.6293

■ 133.5903,

■ 0.0000, 0.0000,

147.2950, 241.2245

0.0000

166.8681,
183.3760, 292.3143

■ 13.1122, 15.2567,
37.3757

■ 13.1122, 15.2567,
37.3757

■ 12.4798, 14.2381,
37.2127

■ 14.0832, 16.6749,
37.5986

■ 15.3355, 18.2888,
37.8441

■ 16.9045, 20.1176,
38.1144

■ 18.8194, 22.1772,
38.4110

■ 21.1062, 24.4816,
38.7353

■ 23.7879, 27.0436,
39.0884

■ 26.8858, 29.8746,
39.4716

■ 30.4194, 32.9856,
39.8859

■ 34.4072, 36.3867,
40.3322

Harmonies

Analogous

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



10.9041, 15.2567, 30.7263



13.1122, 15.2567, 37.3757



16.0073, 15.2567, 37.3477

Triad

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



13.1122, 15.2567, 37.3757



20.5926, 15.2567, 12.7790



10.8912, 15.2567, 7.6839

Complementary

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



13.1122, 15.2567, 37.3757



17.0527, 11.2615, 1.6564

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.



13.0923, 15.2567, 5.4565



13.1122, 15.2567, 37.3757



18.8130, 15.2567, 7.6573

Square

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



13.1122, 15.2567, 37.3757



20.5998, 15.2567, 21.0722



15.9846, 15.2567, 5.4487



9.7431, 15.2567, 12.8301

Rectangle

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



13.1122, 15.2567, 37.3757



17.9586, 15.2567, 33.4439



15.9846, 15.2567, 5.4487



11.5184, 15.2567, 6.6582

Sweetspot

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



13.1128, 15.2572, 37.3761



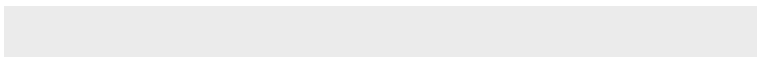
45.0770, 50.8468, 71.1909



14.2797, 26.9720, 8.8447



9.3742, 10.6704, 15.5030



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.



13.1128, 15.2572, 37.3761



22.4577, 25.4543, 67.4818



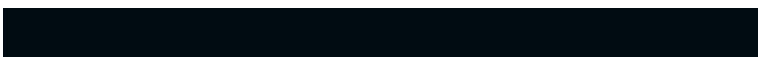
7.6499, 4.3314, 35.5551



7.0853, 7.6296, 9.0023



9.6130, 11.0054, 28.5474



0.2416, 0.3104, 0.6130

Inverse Universe

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



18.6067, 9.4420, 17.3652



32.9862, 16.4047, 28.6633



24.2322, 25.6207, 4.0496



7.2680, 7.1637, 8.3979



13.9977, 6.9551, 12.4442



0.3141, 0.1541, 0.3667

Previews

White Background



This preview shows how the XYZ color 13.1122, 15.2567, 37.3757 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 13.1122, 15.2567, 37.3757 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 13.1122, 15.2567, 37.3757

Background



This preview shows how black text looks on a background with the XYZ color 13.1122, 15.2567, 37.3757.



This preview shows how white text looks on a background with the XYZ color 13.1122, 15.2567,

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

13.1122, 15.2567, 37.3757

Protanopia

15.6721, 15.1910, 33.5586

Deuteranopia

15.5538, 15.1838, 38.1874



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

13.1122, 15.2567, 37.3757

Protanomaly

13.8838, 14.7118, 34.9088

Deuteranomaly

14.1069, 14.9262, 37.7349

Tritanomaly

11.5419, 15.1789, 27.9127

Monochromacy



Original Color

13.1122, 15.2567, 37.3757

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.8771, 11.4791, 18.8347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1122, 15.2567, 37.3757 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(13, 116, 164)` looks like.

```
.text, #text, p{  
    color:rgb(13, 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(13, 116, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 116, 164) }
```

Border

The CSS property to change the border of an element to XYZ 13.1122, 15.2567, 37.3757 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(13, 116, 164) }
```


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

```
.border{ border-color:rgb(13, 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(13, 116, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 116, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 116, 164);  
box-shadow:4px 4px 4px 4px rgb(13, 116,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1122, 15.2567, 37.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 116, 164) }
```

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

```
.background{ background-color: rgb(13, 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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