

Converting Colors

XYZ(13.4674, 13.2115, 37.4376)

Have a look what the booklet for
XYZ(13.4674, 13.2115, 37.4376)
contains.

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Color

**XYZ(13.4674, 13.2115,
37.4376)**

Conversions

Conversions Part 1

Format	Color
Hex	3D66A5
RGB	61, 102, 165
RGB Percent	24%, 40%, 65%
CMY	0.7608, 0.6000, 0.3529
CMYK	0.63, 0.38, 0.00, 0.35
HSL	216°, 46%, 44%
HSV	216°, 63%, 65%
XYZ	13.4674, 13.2115, 37.4376
YIQ	96.9230, -44.6590, 10.9010

Conversions

Conversions Part 2

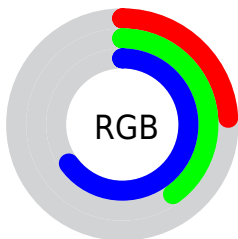
Format	Color
R_{YB}	61, 90, 165
Decimal	4023973
CIE _{Lab}	43.08, 6.01, -38.25
CIE _{LCh}	43, 38.720, 278.930
Yxy	13.2115, 0.2100, 0.2061
Android (android.graphics.Color)	4282214053 (0xFF3D66A5)
YUV	96.9230, 33.5620, -31.5045
Hunter-Lab	36.3476, 2.5289, -35.6246

Details

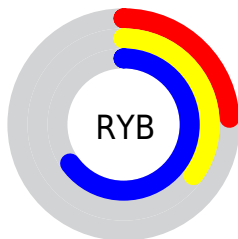
The XYZ color **13.4674, 13.2115, 37.4376** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.5679, 22.7529, 7.5653**, and the grayscale version is **11.2721, 11.8591, 12.9146**.

A 20% lighter version of the original color is **31.7807, 31.8013, 72.1734**, and **4.3948, 4.0206, 16.1672** is the 20% darker color. If you saturate the color by 10%, you get **11.6798, 10.9187, 37.0895**, and if you desaturate by 10%, it is **15.6870, 15.9032, 37.8404**.

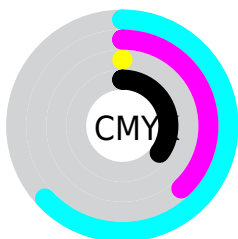
Distribution



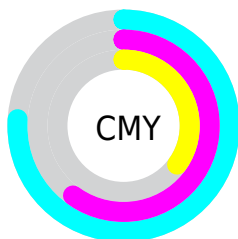
- Red (24%)
- Green (40%)
- Blue (65%)



- Red (24%)
- Yellow (35%)
- Blue (65%)



- Cyan (63%)
- Magenta (38%)
- Yellow (0%)
- Black (35%)



- Cyan (76%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4674, 13.2115, 37.4376 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 13.4674, 13.2115, 37.4376 by changing the saturation by 10% instead.

■ 13.4674, 13.2115,
37.4376

■ 13.4674, 13.2115,
37.4376

207.4695,
212.2687, 350.4268

■ 7.8304, 7.5743,
25.2480

■ 31.7352, 31.6832,
72.4391

■ 4.0375, 3.8238,
16.0413

■ 45.0967, 45.2866,
96.0882

■ 1.7234, 1.5755,
9.3987

■ 61.7637, 62.3142,
124.3942

■ 0.4708, 0.3410,
4.9018

■ 82.1017, 83.1503,
157.7756

■ 0.0000, 0.0000,
2.1320

■ 106.4758,
108.1795, 196.6511

■ 0.0000, 0.0000,
0.6347

135.2516,

■ 0.0000, 0.0000,

137.7860, 241.4391

0.0000

168.7944,
172.3543, 292.5581

■ 13.4674, 13.2115,
37.4376

■ 13.4674, 13.2115,
37.4376

■ 11.6798, 10.9187,
37.0895

■ 15.6870, 15.9032,
37.8404

■ 10.2887, 8.9997,
36.7925

■ 18.3669, 19.0139,
38.2996

■ 9.2547, 7.4279,
36.5436

■ 21.5348, 22.5635,
38.8178

■ 8.6845, 6.5024,
36.3950

■ 25.2155, 26.5703,
39.3972

■ 29.4320, 31.0513,
40.0399

■ 34.2059, 36.0227,
40.7478

■ 39.5577, 41.4997,
41.5229

■ 45.5065, 47.4969,
42.3670

■ 52.0708, 54.0284,
43.2817

Harmonies

Analogous

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



10.6084, 13.2115, 35.7642



13.4674, 13.2115, 37.4376



16.5112, 13.2115, 31.2917

Triad

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



13.4674, 13.2115, 37.4376



17.5608, 13.2115, 6.3432



7.9347, 13.2115, 9.2568

Complementary

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



13.4674, 13.2115, 37.4376



23.5679, 22.7529, 7.5653

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.



9.2908, 13.2115, 5.0255



13.4674, 13.2115, 37.4376



14.7310, 13.2115, 3.8653

Square

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



13.4674, 13.2115, 37.4376



19.1081, 13.2115, 11.9860



11.6888, 13.2115, 3.5033



7.7060, 13.2115, 17.0846

Rectangle

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



13.4674, 13.2115, 37.4376



18.1300, 13.2115, 24.6205



11.6888, 13.2115, 3.5033



8.2622, 13.2115, 7.4713

Sweetspot

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



13.4679, 13.2119, 37.4379



47.8231, 50.4372, 70.9671



18.9805, 29.3429, 23.5347



10.0221, 10.5636, 15.4483



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.



13.4679, 13.2119, 37.4379



19.7464, 17.9744, 66.1810



11.0890, 7.4097, 36.4434



6.9188, 7.2967, 8.9468



6.6158, 5.0110, 27.5483



0.1843, 0.1959, 0.5940

Inverse Universe

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



19.5846, 12.2968, 13.9121



32.1198, 17.9810, 18.1736



27.7388, 34.1766, 9.5504



7.1840, 7.1301, 7.9554



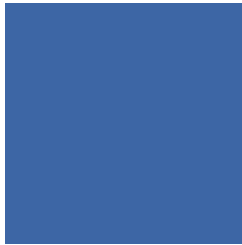
12.4848, 6.3500, 4.4777



0.2852, 0.1426, 0.2146

Previews

White Background



This preview shows how the XYZ color 13.4674, 13.2115, 37.4376 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 13.4674, 13.2115, 37.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

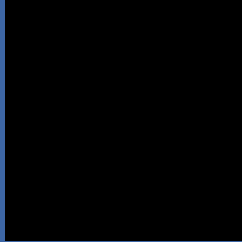
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4674, 13.2115, 37.4376

Background



This preview shows how black text looks on a background with the XYZ color 13.4674, 13.2115, 37.4376.



This preview shows how white text looks on a background with the XYZ color 13.4674, 13.2115,

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

13.4674, 13.2115, 37.4376

Protanopia

14.1333, 13.1458, 36.4428

Deuteranopia

13.5295, 13.2435, 37.4405



Tritanopia

9.8739, 13.1370, 19.7846

Trichromacy



Original Color

13.4674, 13.2115, 37.4376

Protanomaly

13.8565, 13.1343, 36.9268

Deuteranomaly

13.5295, 13.2435, 37.4405

Tritanomaly

10.9332, 13.0835, 25.2417

Monochromacy



Original Color

13.4674, 13.2115, 37.4376

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6308, 12.2136, 20.1568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4674, 13.2115, 37.4376 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(61, 102, 165)` looks like.

```
.text, #text, p{  
    color:rgb(61, 102, 165)  
}
```

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(61, 102, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 102, 165) }
```

Border

The CSS property to change the border of an element to XYZ 13.4674, 13.2115, 37.4376 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(61, 102, 165) }
```


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

```
.border{ border-color:rgb(61, 102, 165) }
```

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

Here you see how a box with a 4 pixel rgb(61, 102, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 102, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 102, 165);  
box-shadow:4px 4px 4px 4px rgb(61, 102,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4674, 13.2115, 37.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 102, 165) }
```

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

```
.background{ background-color: rgb(61, 102,  
165) }
```

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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