

Converting Colors

XYZ(13.4274, 13.6010, 35.4742)

Have a look what the booklet for
XYZ(13.4274, 13.6010, 35.4742)
contains.

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Color

**XYZ(13.4332, 13.5306,
35.6219)**

Conversions

Conversions Part 1

Format	Color
Hex	3F68A1
RGB	63, 104, 161
RGB Percent	25%, 41%, 63%
CMY	0.7529, 0.5922, 0.3686
CMYK	0.61, 0.35, 0.00, 0.37
HSL	215°, 44%, 44%
HSV	215°, 61%, 63%
XYZ	13.4332, 13.5306, 35.6219
YIQ	98.2390, -42.7330, 9.0350

Conversions

Conversions Part 2

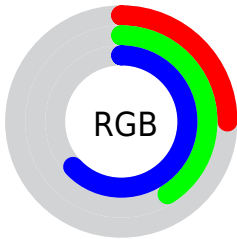
Format	Color
R _{YB}	63, 92, 161
Decimal	4155553
CIE Lab	43.55, 3.76, -35.13
CIE LCh	44, 35.335, 276.101
Yxy	13.5306, 0.2146, 0.2162
Android (android.graphics.Color)	4282345633 (0xFF3F68A1)
YUV	98.2390, 30.9412, -30.9046
Hunter-Lab	36.7840, 0.8148, -31.6682

Details

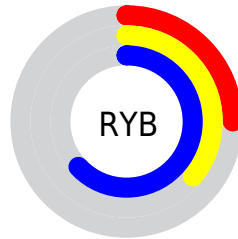
The XYZ color **13.4332, 13.5306, 35.6219** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.3123, 21.3698, 7.6520**, and the grayscale version is **11.6024, 12.2066, 13.2930**.

A 20% lighter version of the original color is **31.7238, 32.3225, 69.5326**, and **4.2734, 4.1302, 15.0400** is the 20% darker color. If you saturate the color by 10%, you get **11.6605, 11.2945, 35.2840**, and if you desaturate by 10%, it is **15.6123, 16.1321, 36.0095**.

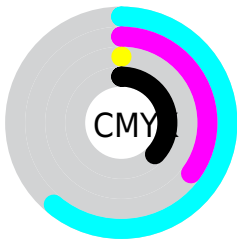
Distribution



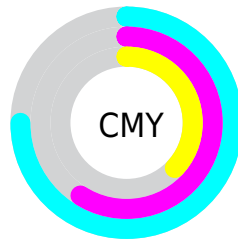
- Red (25%)
- Green (41%)
- Blue (63%)



- Red (25%)
- Yellow (36%)
- Blue (63%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (37%)



- Cyan (75%)
- Magenta (59%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4332, 13.5306, 35.6219 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 13.4332, 13.5306, 35.6219 by changing the saturation by 10% instead.

■ 13.4332, 13.5306,
35.6219

■ 13.4332, 13.5306,
35.6219

207.2576,
214.2908, 342.2922

■ 7.8066, 7.7949,
23.8549

■ 31.6746, 32.2538,
69.6105

■ 4.0222, 3.9640,
15.0148

■ 45.0201, 46.0101,
92.6693

■ 1.7147, 1.6534,
8.6831

■ 61.6693, 63.2087,
120.3291

■ 0.4654, 0.3932,
4.4411

■ 81.9875, 84.2341,
153.0084

■ 0.0000, 0.0000,
1.8703

■ 106.3401,
109.4706, 191.1259

■ 0.0000, 0.0000,
0.4737

135.0924,

■ 0.0000, 0.0000,

139.3026, 235.1000

0.0000

168.6098,
174.1146, 285.3492

■ 13.4332, 13.5306,
35.6219

■ 13.4332, 13.5306,
35.6219

■ 11.6605, 11.2945,
35.2840

■ 15.6123, 16.1321,
36.0095

■ 10.2623, 9.4015,
34.9923

■ 18.2232, 19.1162,
36.4479

■ 9.2034, 7.8285,
34.7445

■ 21.2912, 22.5008,
36.9394

■ 8.4614, 6.6299,
34.5523

■ 24.8386, 26.3020,
37.4862

■ 28.8866, 30.5347,
38.0898

■ 33.4549, 35.2132,
38.7521

■ 38.5620, 40.3512,
39.4746

■ 44.2255, 45.9614,
40.2590

■ 50.4623, 52.0565,
41.1068

Harmonies

Analogous

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



10.8266, 13.5306, 33.4726



13.4332, 13.5306, 35.6219



16.2504, 13.5306, 30.7557

Triad

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



13.4332, 13.5306, 35.6219



17.6465, 13.5306, 7.4650



8.5903, 13.5306, 9.3898

Complementary

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



13.4332, 13.5306, 35.6219



22.3123, 21.3698, 7.6520

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.



9.9781, 13.5306, 5.5436



13.4332, 13.5306, 35.6219



15.1342, 13.5306, 4.7430

Square

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



13.4332, 13.5306, 35.6219



18.8970, 13.5306, 13.1743



12.3042, 13.5306, 4.1936



8.2694, 13.5306, 16.4090

Rectangle

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



13.4332, 13.5306, 35.6219



17.7915, 13.5306, 24.9479



12.3042, 13.5306, 4.1936



8.9367, 13.5306, 7.7735

Sweetspot

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



13.4337, 13.5311, 35.6222



46.2309, 48.9473, 67.3977



18.0971, 27.8676, 21.7320



9.7231, 10.2959, 14.7185



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.4337, 13.5311, 35.6222



19.9321, 18.9714, 62.9979



10.7034, 7.4137, 34.5854



6.9326, 7.3242, 8.9514



6.7964, 5.3722, 27.6085



0.1890, 0.2053, 0.5955

Inverse Universe

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



18.9746, 12.1321, 14.4388



31.1686, 17.8065, 19.6642



27.0579, 32.7649, 9.6014



7.1909, 7.1328, 7.9919



12.5760, 6.3864, 4.9577



0.2876, 0.1435, 0.2270

Previews

White Background



This preview shows how the XYZ color 13.4332, 13.5306, 35.6219 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 13.4332, 13.5306, 35.6219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

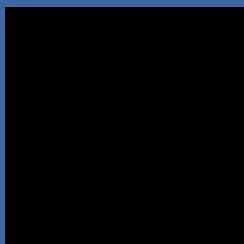
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4332, 13.5306, 35.6219

Background



This preview shows how black text looks on a background with the XYZ color 13.4332, 13.5306, 35.6219.



This preview shows how white text looks on a background with the XYZ color 13.4332, 13.5306,

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

13.4332, 13.5306, 35.6219

Protanopia

14.3049, 13.5698, 34.2130

Deuteranopia

13.8818, 13.6133, 35.6142



Tritanopia

10.2841, 13.5043, 20.1537

Trichromacy



Original Color

13.4332, 13.5306, 35.6219

Protanomaly

13.9110, 13.5018, 34.6738

Deuteranomaly

13.6672, 13.5026, 35.6041

Tritanomaly

11.2778, 13.4187, 25.2882

Monochromacy



Original Color

13.4332, 13.5306, 35.6219

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7547, 12.4261, 19.8681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4332, 13.5306, 35.6219 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(63, 104, 161)` looks like.

```
.text, #text, p{  
    color:rgb(63, 104, 161)  
}
```

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(63, 104, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 104, 161) }
```

Border

The CSS property to change the border of an element to XYZ 13.4332, 13.5306, 35.6219 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(63, 104, 161) }
```


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

```
.border{ border-color:rgb(63, 104, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 104, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 104, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 104, 161);  
box-shadow:4px 4px 4px 4px rgb(63, 104,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4332, 13.5306, 35.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 104, 161) }
```

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

```
.background{ background-color: rgb(63, 104,  
161) }
```

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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