

Converting Colors

XYZ(15.3479, 14.1973, 35.6276)

Have a look what the booklet for
XYZ(15.3479, 14.1973, 35.6276)
contains.

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Color

**XYZ(15.4008, 14.2496,
35.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	5A66A1
RGB	90, 102, 161
RGB Percent	35%, 40%, 63%
CMY	0.6470, 0.6000, 0.3686
CMYK	0.44, 0.37, 0.00, 0.37
HSL	230°, 28%, 49%
HSV	230°, 44%, 63%
XYZ	15.4008, 14.2496, 35.6570
YIQ	105.1380, -26.0910, 15.8050

Conversions

Conversions Part 2

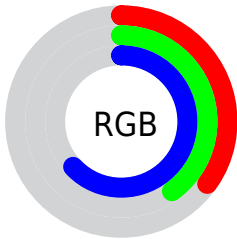
Format	Color
R _Y B	90, 100, 161
Decimal	5924513
CIE Lab	44.59, 11.43, -33.39
CIE LCh	45, 35.294, 288.893
Yxy	14.2496, 0.2358, 0.2182
Android (android.graphics.Color)	4284114593 (0xFF5A66A1)
YUV	105.1380, 27.5400, -13.2760
Hunter-Lab	37.7486, 6.7648, -29.5807

Details

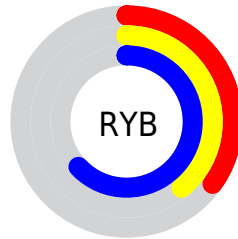
The XYZ color **15.4008, 14.2496, 35.6570** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2913, 29.8107, 13.9891**, and the grayscale version is **13.3978, 14.0956, 15.3501**.

A 20% lighter version of the original color is **35.1136, 33.5800, 69.5966**, and **4.9374, 4.3258, 15.0427** is the 20% darker color. If you saturate the color by 10%, you get **12.7907, 11.1073, 35.1883**, and if you desaturate by 10%, it is **18.5634, 17.9922, 36.2130**.

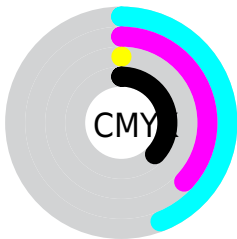
Distribution



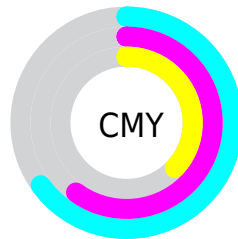
- Red (35%)
- Green (40%)
- Blue (63%)



- Red (35%)
- Yellow (39%)
- Blue (63%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)



- Cyan (65%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4008, 14.2496, 35.6570 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 15.4008, 14.2496, 35.6570 by changing the saturation by 10% instead.

■ 15.4008, 14.2496,
35.6570

■ 15.4008, 14.2496,
35.6570

219.1201,
218.7781, 342.4508

■ 9.1893, 8.2945,
23.8818

■ 35.1207, 33.5313,
69.6654

■ 4.9230, 4.2839,
15.0346

■ 49.3598, 47.6266,
92.7357

■ 2.2364, 1.8336,
8.6968

■ 67.0055, 65.2041,
120.4081

■ 0.7618, 0.5080,
4.4498

■ 88.4231, 86.6481,
153.1012

■ 0.0000, 0.0000,
1.8752

113.9780,
112.3432, 191.2334

■ 0.0000, 0.0000,
0.4769

144.0356,

■ 0.0000, 0.0000,

142.6736, 235.2234

0.0000

178.9612,
178.0238, 285.4897

■ 15.4008, 14.2496,
35.6570

■ 15.4008, 14.2496,
35.6570

■ 12.7907, 11.1073,
35.1883

■ 18.5634, 17.9922,
36.2130

■ 10.6992, 8.5321,
34.8015

■ 22.3065, 22.3629,
36.8593

■ 9.0911, 6.4898,
34.4920

■ 26.6582, 27.3897,
37.6002

■ 7.9259, 4.9415,
34.2546

■ 31.6440, 33.0983,
38.4393

■ 7.1562, 3.8429,
34.0831

■ 37.2884, 39.5130,
39.3800

■ 6.8299, 3.3668,
34.0084

■ 43.6141, 46.6571,
40.4255

■ 50.6431, 54.5525,
41.5790

■ 58.3961, 63.2204,
42.8435

■ 66.8932, 72.6811,
44.2218

Harmonies

Analogous

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



12.5133, 14.2496, 36.6282



15.4008, 14.2496, 35.6570



18.1169, 14.2496, 28.3214

Triad

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



15.4008, 14.2496, 35.6570



17.4843, 14.2496, 6.4266



8.8386, 14.2496, 12.6789

Complementary

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



15.4008, 14.2496, 35.6570



27.2913, 29.8107, 13.9891

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.



9.8134, 14.2496, 7.3027



15.4008, 14.2496, 35.6570



14.6294, 14.2496, 4.6346

Square

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



15.4008, 14.2496, 35.6570



19.4316, 14.2496, 10.9600



11.8424, 14.2496, 4.8859



8.9845, 14.2496, 21.1850

Rectangle

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



15.4008, 14.2496, 35.6570



19.3395, 14.2496, 21.8954



11.8424, 14.2496, 4.8859



9.0398, 14.2496, 10.5134

Sweetspot

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



15.4013, 14.2501, 35.6573



48.4596, 49.8770, 67.4597



22.3057, 29.8014, 32.5871



10.2456, 10.4990, 14.7302



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.



15.4013, 14.2501, 35.6573



22.9501, 19.9447, 63.0267



16.8335, 13.3627, 35.4106



6.7927, 7.0445, 8.9048



5.4763, 2.7320, 27.1685



0.1407, 0.1087, 0.5794

Inverse Universe

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



20.7528, 15.8492, 14.5363



33.9277, 23.6417, 19.6069



25.1577, 31.6758, 14.4615



7.1204, 7.1046, 7.6202



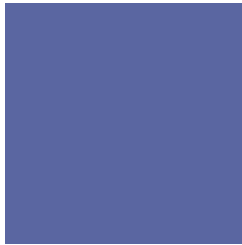
11.9096, 6.1199, 1.4489



0.2632, 0.1338, 0.0986

Previews

White Background



This preview shows how the XYZ color 15.4008, 14.2496, 35.6570 looks on a white background.

Color Contrast Check

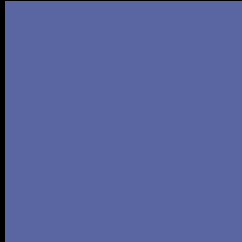
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4008, 14.2496, 35.6570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

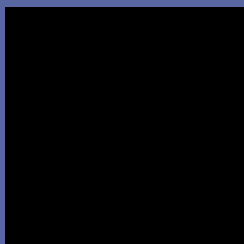
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

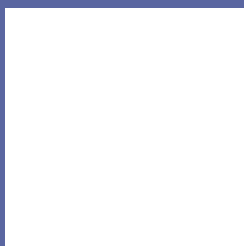
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4008, 14.2496, 35.6570

Background



This preview shows how black text looks on a background with the XYZ color 15.4008, 14.2496, 35.6570.



This preview shows how white text looks on a background with the XYZ color 15.4008, 14.2496,

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

15.4008, 14.2496, 35.6570

Protanopia

15.0280, 14.1939, 36.1301

Deuteranopia

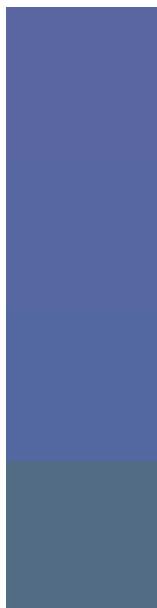
14.6212, 14.3035, 35.2479



Tritanopia

12.2387, 14.3631, 19.5801

Trichromacy



Original Color

15.4008, 14.2496, 35.6570

Protanomaly

15.2096, 14.2876, 36.1386

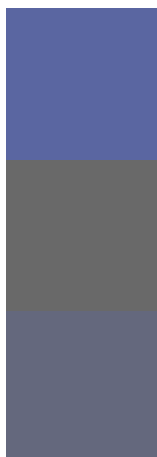
Deuteranomaly

14.8628, 14.2777, 35.2302

Tritanomaly

13.2329, 14.2854, 24.6142

Monochromacy



Original Color

15.4008, 14.2496, 35.6570

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.9075, 14.0906, 21.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4008, 14.2496, 35.6570 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(90, 102, 161)` looks like.

```
.text, #text, p{  
    color:rgb(90, 102, 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(90, 102, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 102, 161) }
```

Border

The CSS property to change the border of an element to XYZ 15.4008, 14.2496, 35.6570 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(90, 102, 161) }
```


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

```
.border{ border-color:rgb(90, 102, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 102, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 102, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 102, 161);  
box-shadow:4px 4px 4px 4px rgb(90, 102,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4008, 14.2496, 35.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 102, 161) }
```

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

```
.background{ background-color: rgb(90, 102,  
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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