

Converting Colors

XYZ(15.8307, 14.1136, 37.2193)

Have a look what the booklet for
XYZ(15.8307, 14.1136, 37.2193)
contains.

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Color

**XYZ(15.7722, 14.1218,
37.0165)**

Conversions

Conversions Part 1

Format	Color
Hex	5D64A4
RGB	93, 100, 164
RGB Percent	36%, 39%, 64%
CMY	0.6353, 0.6078, 0.3569
CMYK	0.43, 0.39, 0.00, 0.36
HSL	234°, 28%, 50%
HSV	234°, 43%, 64%
XYZ	15.7722, 14.1218, 37.0165
YIQ	105.2030, -24.7160, 18.4200

Conversions

Conversions Part 2

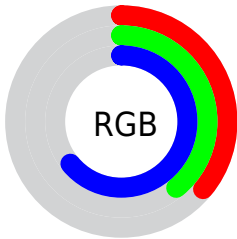
Format	Color
R_{YB}	93, 99, 164
Decimal	6120612
CIE _{Lab}	44.41, 14.39, -35.44
CIE _{LCh}	44, 38.244, 292.095
Yxy	14.1218, 0.2357, 0.2111
Android (android.graphics.Color)	4284310692 (0xFF5D64A4)
YUV	105.2030, 28.9869, -10.7020
Hunter-Lab	37.5790, 9.1547, -32.0973

Details

The XYZ color **15.7722, 14.1218, 37.0165** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.3433, 32.7977, 15.1407**, and the grayscale version is **13.4113, 14.1098, 15.3656**.

A 20% lighter version of the original color is **35.7069, 33.3587, 71.5747**, and **5.1189, 4.2593, 15.8816** is the 20% darker color. If you saturate the color by 10%, you get **12.9952, 10.7731, 36.5168**, and if you desaturate by 10%, it is **19.1635, 18.1697, 37.6193**.

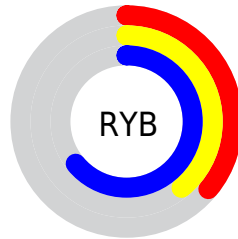
Distribution



Red (36%)

Green (39%)

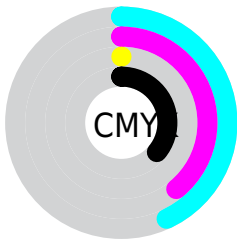
Blue (64%)



Red (36%)

Yellow (39%)

Blue (64%)

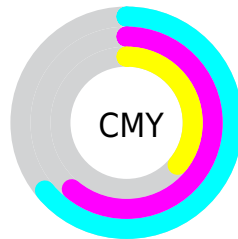


Cyan (43%)

Magenta (39%)

Yellow (0%)

Black (36%)



Cyan (64%)

Magenta (61%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7722, 14.1218, 37.0165 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 15.7722, 14.1218, 37.0165 by changing the saturation by 10% instead.

■ 15.7722, 14.1218,
37.0165

■ 15.7722, 14.1218,
37.0165

221.2907,
217.9872, 348.5528

■ 9.4529, 8.2054,
24.9244

■ 35.7629, 33.3050,
71.7848

■ 5.0972, 4.2267,
15.8022

■ 50.1651, 47.3406,
95.2980

■ 2.3398, 1.8012,
9.2315

■ 67.9923, 64.8514,
123.4554

■ 0.8149, 0.4879,
4.7936

■ 89.6098, 86.2218,
156.6754

■ 0.0000, 0.0000,
2.0701

115.3830,
111.8362, 195.3766

■ 0.0000, 0.0000,
0.5979

145.6774,

■ 0.0000, 0.0000,

142.0790, 239.9775

0.0000

180.8581,
177.3345, 290.8967

■ 15.7722, 14.1218,
37.0165

■ 15.7722, 14.1218,
37.0165

■ 12.9952, 10.7731,
36.5168

■ 19.1635, 18.1697,
37.6193

■ 10.7941, 8.0822,
36.1134

■ 23.2014, 22.9517,
38.3296

■ 9.1285, 6.0061,
35.8005

■ 27.9178, 28.5024,
39.1524

■ 7.9520, 4.4956,
35.5709

■ 33.3419, 34.8537,
40.0924

■ 7.2102, 3.4940,
35.4167

■ 39.5013, 42.0355,
41.1540

■ 6.8887, 3.0559,
35.3490

■ 46.4220, 50.0764,
42.3413

■ 54.1290, 59.0035,
43.6582

■ 62.6458, 68.8428,
45.1085

■ 71.9952, 79.6192,
46.6958

Harmonies

Analogous

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



12.6252, 14.1218, 38.9960



15.7722, 14.1218, 37.0165



18.6508, 14.1218, 28.3068

Triad

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



15.7722, 14.1218, 37.0165



17.3937, 14.1218, 5.5095



8.3750, 14.1218, 13.1623

Complementary

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



15.7722, 14.1218, 37.0165



29.3433, 32.7977, 15.1407

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.



9.2756, 14.1218, 7.1410



15.7722, 14.1218, 37.0165



14.2523, 14.1218, 3.9610

Square

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



15.7722, 14.1218, 37.0165



19.6821, 14.1218, 9.8444



11.3183, 14.1218, 4.4158



8.6542, 14.1218, 22.6681

Rectangle

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



15.7722, 14.1218, 37.0165



19.8736, 14.1218, 21.1939



11.3183, 14.1218, 4.4158



8.5443, 14.1218, 10.7344

Sweetspot

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



15.7727, 14.1223, 37.0168



50.7178, 51.7865, 71.0750



23.8674, 31.3094, 36.6393



10.6692, 10.8298, 15.4656



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.



15.7727, 14.1223, 37.0168



23.7299, 19.7265, 66.3092



18.5572, 14.6037, 36.9630



6.7540, 6.9671, 8.8919



5.2994, 2.3781, 27.1095



0.1271, 0.0814, 0.5749

Inverse Universe

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



21.5249, 16.6420, 14.1347



35.6476, 25.2004, 18.8439



25.3403, 32.5425, 15.3024



7.1008, 7.0968, 7.5174



11.8203, 6.0842, 0.9786



0.2563, 0.1310, 0.0623

Previews

White Background



This preview shows how the XYZ color 15.7722, 14.1218, 37.0165 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 15.7722, 14.1218, 37.0165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

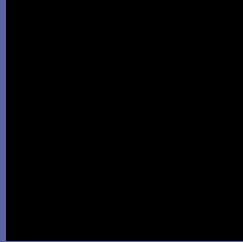
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7722, 14.1218, 37.0165

Background



This preview shows how black text looks on a background with the XYZ color 15.7722, 14.1218, 37.0165.



This preview shows how white text looks on a background with the XYZ color 15.7722, 14.1218,

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

15.7722, 14.1218, 37.0165

Protanopia

15.1265, 14.2030, 38.0206

Deuteranopia

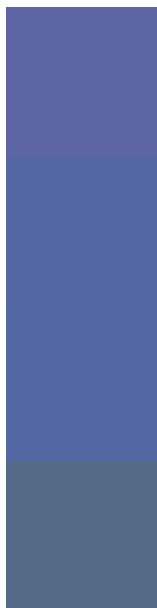
14.5641, 14.2433, 36.6320



Tritanopia

12.2393, 14.2092, 19.2371

Trichromacy



Original Color

15.7722, 14.1218, 37.0165

Protanomaly

15.2892, 14.1506, 37.5228

Deuteranomaly

14.9408, 14.1387, 36.5919

Tritanomaly

13.2735, 13.9886, 24.9222

Monochromacy



Original Color

15.7722, 14.1218, 37.0165

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.9830, 13.9736, 21.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7722, 14.1218, 37.0165 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(93, 100, 164)` looks like.

```
.text, #text, p{  
    color:rgb(93, 100, 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(93, 100, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 100, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.7722, 14.1218, 37.0165 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(93, 100, 164) }
```


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

```
.border{ border-color:rgb(93, 100, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 100, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 100, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 100, 164);  
box-shadow:4px 4px 4px 4px rgb(93, 100,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7722, 14.1218, 37.0165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 100, 164) }
```

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

```
.background{ background-color: rgb(93, 100,  
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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