

Converting Colors

XYZ(15.7672, 14.1652, 34.2960)

Have a look what the booklet for
XYZ(15.7672, 14.1652, 34.2960)
contains.

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Color

**XYZ(15.7657, 14.1796,
34.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	62649E
RGB	98, 100, 158
RGB Percent	38%, 39%, 62%
CMY	0.6157, 0.6078, 0.3804
CMYK	0.38, 0.37, 0.00, 0.38
HSL	238°, 24%, 50%
HSV	238°, 38%, 62%
XYZ	15.7657, 14.1796, 34.2538
YIQ	106.0140, -19.8100, 17.6140

Conversions

Conversions Part 2

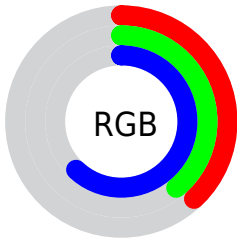
Format	Color
R_{YB}	98, 100, 158
Decimal	6448286
CIE _{Lab}	44.49, 13.99, -31.73
CIE _{LCh}	44, 34.679, 293.796
Yxy	14.1796, 0.2456, 0.2209
Android (android.graphics.Color)	4284638366 (0xFF62649E)
YUV	106.0140, 25.6291, -7.0283
Hunter-Lab	37.6558, 8.8366, -27.5744

Details

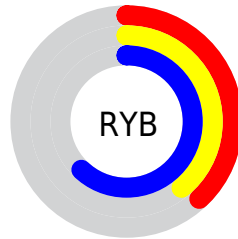
The XYZ color **15.7657, 14.1796, 34.2538** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1941, 31.9284, 16.2327**, and the grayscale version is **13.6397, 14.3501, 15.6272**.

A 20% lighter version of the original color is **35.8393, 33.5166, 67.5312**, and **5.0930, 4.2833, 14.1940** is the 20% darker color. If you saturate the color by 10%, you get **12.8961, 10.7259, 33.7387**, and if you desaturate by 10%, it is **19.2476, 18.3572, 34.8769**.

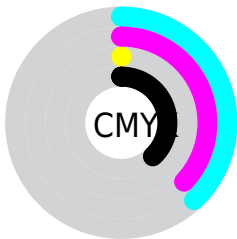
Distribution



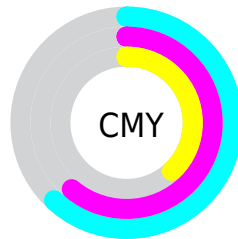
- Red (38%)
- Green (39%)
- Blue (62%)



- Red (38%)
- Yellow (39%)
- Blue (62%)



- Cyan (38%)
- Magenta (37%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (61%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7657, 14.1796, 34.2538 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 15.7657, 14.1796, 34.2538 by changing the saturation by 10% instead.

■ 15.7657, 14.1796,
34.2538

■ 15.7657, 14.1796,
34.2538

221.2528,
218.3453, 336.0659

■ 9.4483, 8.2457,
22.8097

■ 35.7517, 33.4074,
67.4666

■ 5.0942, 4.2526,
14.2491

■ 50.1510, 47.4700,
90.0723

■ 2.3379, 1.8158,
8.1534

■ 67.9750, 65.0110,
117.2357

■ 0.8140, 0.4970,
4.1041

■ 89.5891, 86.4148,
149.3752

■ 0.0000, 0.0000,
1.6826

115.3585,
112.0657, 186.9095

■ 0.0000, 0.0000,
0.3488

145.6488,

■ 0.0000, 0.0000,

142.3481, 230.2570

0.0000

180.8251,
177.6465, 279.8363

■ 15.7657, 14.1796,
34.2538

■ 15.7657, 14.1796,
34.2538

■ 12.8961, 10.7259,
33.7387

■ 19.2476, 18.3572,
34.8769

■ 10.6018, 7.9533,
33.3244

■ 23.3725, 23.2948,
35.6125

■ 8.8445, 5.8174,
33.0048

■ 28.1713, 29.0281,
36.4663

■ 7.5805, 4.2675,
32.7722

■ 33.6721, 35.5901,
37.4429

■ 6.7594, 3.2454,
32.6182

■ 39.9016, 43.0119,
38.5471

■ 6.3024, 2.6708,
32.5314

■ 46.8851, 51.3229,
39.7833

■ 6.2288, 2.5829,
32.5183

■ 54.6465, 60.5514,
41.1555

■ 63.2089, 70.7240,
42.6677

■ 72.5944, 81.8667,
44.3238

Harmonies

Analogous

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



12.9045, 14.1796, 36.3699



15.7657, 14.1796, 34.2538



18.2992, 14.1796, 26.4399

Triad

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



15.7657, 14.1796, 34.2538



16.9098, 14.1796, 6.0477



8.8068, 14.1796, 13.8340

Complementary

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



15.7657, 14.1796, 34.2538



28.1941, 31.9284, 16.2327

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.



9.5869, 14.1796, 8.0119



15.7657, 14.1796, 34.2538



14.0668, 14.1796, 4.6316

Square

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



15.7657, 14.1796, 34.2538



19.0210, 14.1796, 10.0213



11.4218, 14.1796, 5.1997



9.1312, 14.1796, 22.5246

Rectangle

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



15.7657, 14.1796, 34.2538



19.3291, 14.1796, 20.1481



11.4218, 14.1796, 5.1997



8.9446, 14.1796, 11.5278

Sweetspot

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



15.7662, 14.1801, 34.2541



48.1965, 49.1775, 65.6954



23.2651, 29.4511, 35.9113



10.6134, 10.7854, 14.7661



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.



15.7662, 14.1801, 34.2541



23.9278, 20.0913, 61.3603



19.1439, 15.6402, 34.3579



6.3016, 6.4689, 8.3232



4.9944, 2.0804, 26.0456



0.0939, 0.0464, 0.4672

Inverse Universe

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



20.7689, 16.9251, 14.2293



34.4272, 25.9181, 19.3184



23.6378, 30.0818, 16.1164



6.6416, 6.6495, 6.9636



11.3192, 5.8322, 0.6658



0.2047, 0.1052, 0.0242

Previews

White Background



This preview shows how the XYZ color 15.7657, 14.1796, 34.2538 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 15.7657, 14.1796, 34.2538 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 15.7657, 14.1796, 34.2538

Background



This preview shows how black text looks on a background with the XYZ color 15.7657, 14.1796, 34.2538.

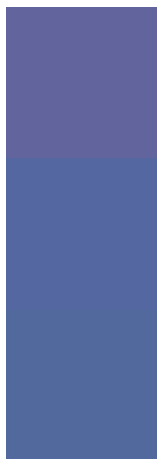


This preview shows how white text looks on a background with the XYZ color 15.7657, 14.1796,

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

15.7657, 14.1796, 34.2538

Protanopia

15.0296, 14.2050, 35.6679

Deuteranopia

14.6171, 14.3313, 33.8941



Tritanopia

12.5980, 14.0842, 18.8842

Trichromacy



Original Color

15.7657, 14.1796, 34.2538

Protanomaly

15.3130, 14.2145, 35.1943

Deuteranomaly

14.9606, 14.2095, 33.8525

Tritanomaly

13.6301, 14.0444, 23.8223

Monochromacy



Original Color

15.7657, 14.1796, 34.2538

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2455, 14.2649, 21.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7657, 14.1796, 34.2538 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(98, 100, 158)` looks like.

```
.text, #text, p{  
    color:rgb(98, 100, 158)  
}
```

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(98, 100, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 100, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.7657, 14.1796, 34.2538 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(98, 100, 158) }
```


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

```
.border{ border-color:rgb(98, 100, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 100, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 100, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 100, 158);  
box-shadow:4px 4px 4px 4px rgb(98, 100,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7657, 14.1796, 34.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 100, 158) }
```

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

```
.background{ background-color: rgb(98, 100,  
158) }
```

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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