

Converting Colors

XYZ(15.1581, 12.2963, 34.9015)

Have a look what the booklet for
XYZ(15.1581, 12.2963, 34.9015)
contains.

XYZ(15.0904, 12.2268, 34.8224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.0904, 12.2268,
34.8224)**

Conversions

Conversions Part 1

Format	Color
Hex	6458A0
RGB	100, 88, 160
RGB Percent	39%, 35%, 63%
CMY	0.6078, 0.6549, 0.3725
CMYK	0.37, 0.45, 0.00, 0.37
HSL	250°, 29%, 49%
HSV	250°, 45%, 63%
XYZ	15.0904, 12.2268, 34.8224
YIQ	99.7960, -15.9600, 24.9360

Conversions

Conversions Part 2

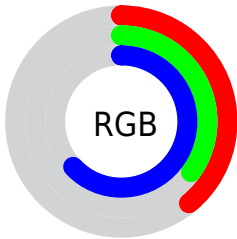
Format	Color
R_{YB}	100, 88, 160
Decimal	6576288
CIE _{Lab}	41.57, 22.58, -37.51
CIE _{LCh}	42, 43.777, 301.047
Yxy	12.2268, 0.2428, 0.1968
Android (android.graphics.Color)	4284766368 (0xFF6458A0)
YUV	99.7960, 29.6806, 0.1789
Hunter-Lab	34.9668, 15.8420, -34.5683

Details

The XYZ color **15.0904, 12.2268, 34.8224** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.5451, 32.1423, 14.0378**, and the grayscale version is **11.9914, 12.6159, 13.7387**.

A 20% lighter version of the original color is **34.4911, 29.8556, 68.2348**, and **4.7537, 3.3670, 14.5867** is the 20% darker color. If you saturate the color by 10%, you get **12.5624, 9.1834, 34.3684**, and if you desaturate by 10%, it is **18.1490, 15.9720, 35.3843**.

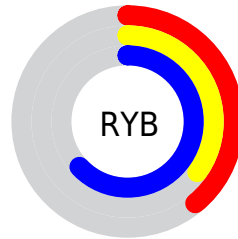
Distribution



Red (39%)

Green (35%)

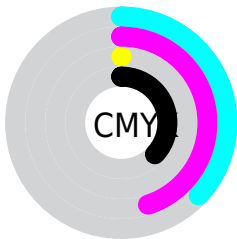
Blue (63%)



Red (39%)

Yellow (35%)

Blue (63%)

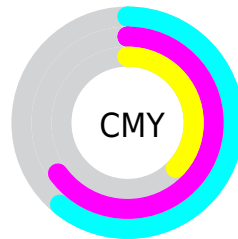


Cyan (37%)

Magenta (45%)

Yellow (0%)

Black (37%)



Cyan (61%)

Magenta (65%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0904, 12.2268, 34.8224 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 15.0904, 12.2268, 34.8224 by changing the saturation by 10% instead.

■ 15.0904, 12.2268,
34.8224

■ 15.0904, 12.2268,
34.8224

217.2903,
205.9010, 338.6641

■ 8.9696, 6.8983,
23.2436

■ 34.5820, 29.9075,
68.3590

■ 4.7783, 3.3986,
14.5665

■ 48.6836, 43.0285,
91.1539

■ 2.1512, 1.3432,
8.3725

■ 66.1761, 59.5159,
118.5246

■ 0.7168, 0.1743,
4.2430

■ 87.4249, 79.7539,
150.8897

■ 0.0000, 0.0000,
1.7596

■ 112.7953,
104.1271, 188.6676

■ 0.0000, 0.0000,
0.4011

142.6528,

■ 0.0000, 0.0000,

133.0197, 232.2770

0.0000

177.3627,
166.8162, 282.1363

■ 15.0904, 12.2268,
34.8224

■ 15.0904, 12.2268,
34.8224

■ 12.5624, 9.1834,
34.3684

■ 18.1490, 15.9720,
35.3843

■ 10.5327, 6.7962,
34.0146

■ 21.7650, 20.4580,
36.0596

■ 8.9677, 5.0165,
33.7536

■ 25.9651, 25.7225,
36.8544

■ 7.8290, 3.7879,
33.5765

■ 30.7739, 31.8001,
37.7740

■ 7.0701, 3.0407,
33.4723

■ 36.2145, 38.7234,
38.8236

■ 6.7885, 2.7666,
33.4342

■ 42.3088, 46.5233,
40.0080

■ 49.0776, 55.2290,
41.3316

■ 56.5409, 64.8684,
42.7988

■ 64.7177, 75.4682,
44.4138

Harmonies

Analogous

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



11.7340, 12.2268, 39.8295



15.0904, 12.2268, 34.8224



17.8760, 12.2268, 23.7890

Triad

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



15.0904, 12.2268, 34.8224



14.8598, 12.2268, 3.0833



6.4930, 12.2268, 13.6375

Complementary

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



15.0904, 12.2268, 34.8224



26.5451, 32.1423, 14.0378

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.



7.0277, 12.2268, 6.4773



15.0904, 12.2268, 34.8224



11.5091, 12.2268, 2.3263

Square

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



15.0904, 12.2268, 34.8224



17.7266, 12.2268, 6.1384



8.7292, 12.2268, 3.2063



7.1084, 12.2268, 24.6197

Rectangle

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



15.0904, 12.2268, 34.8224



18.8164, 12.2268, 16.2462



8.7292, 12.2268, 3.2063



6.5432, 12.2268, 10.7558

Sweetspot

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



15.0909, 12.2272, 34.8227



48.5907, 48.5256, 67.1919



20.9599, 25.7929, 37.1318



10.2779, 10.1653, 14.6641



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.



15.0909, 12.2272, 34.8227



22.7920, 16.6534, 62.3997



19.9885, 14.7521, 35.0519



6.3827, 6.4858, 8.3222



5.3148, 2.1689, 26.0458



0.1203, 0.0518, 0.4669

Inverse Universe

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



23.3324, 16.5914, 29.9895



39.8475, 25.6995, 51.7355



21.0147, 29.2912, 13.7790



6.8566, 6.7356, 8.0962



14.6227, 7.1537, 18.0621



0.2730, 0.1325, 0.3836

Previews

White Background



This preview shows how the XYZ color 15.0904, 12.2268, 34.8224 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 15.0904, 12.2268, 34.8224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

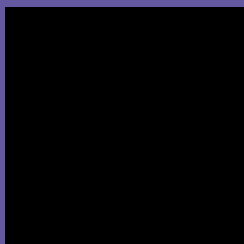
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0904, 12.2268, 34.8224

Background



This preview shows how black text looks on a background with the XYZ color 15.0904, 12.2268, 34.8224.



This preview shows how white text looks on a background with the XYZ color 15.0904, 12.2268,

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

15.0904, 12.2268, 34.8224

Protanopia

13.4727, 12.3491, 38.2327

Deuteranopia

12.5891, 12.2607, 34.0508



Tritanopia

11.2884, 12.2718, 15.9611

Trichromacy



Original Color

15.0904, 12.2268, 34.8224

Protanomaly

13.8396, 12.1713, 36.7418

Deuteranomaly

13.2412, 12.0451, 34.4279

Tritanomaly

12.4273, 12.1734, 21.7734

Monochromacy



Original Color

15.0904, 12.2268, 34.8224

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.9513, 12.4802, 20.1387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0904, 12.2268, 34.8224 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(100, 88, 160)` looks like.

```
.text, #text, p{  
    color:rgb(100, 88, 160)  
}
```

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(100, 88, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 88, 160) }
```

Border

The CSS property to change the border of an element to XYZ 15.0904, 12.2268, 34.8224 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(100, 88, 160) }
```


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

```
.border{ border-color:rgb(100, 88, 160) }
```

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

Here you see how a box with a 4 pixel rgb(100, 88, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 88, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 88, 160);  
box-shadow:4px 4px 4px 4px rgb(100, 88,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0904, 12.2268, 34.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 88, 160) }
```

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

```
.background{ background-color: rgb(100, 88,  
160) }
```

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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