

Converting Colors

XYZ(15.8739, 13.2934, 3.0953)

Have a look what the booklet for
XYZ(15.8739, 13.2934, 3.0953)
contains.

XYZ(15.9632, 13.3796, 3.1077)	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(15.9632, 13.3796,
3.1077)**

Conversions

Conversions Part 1

Format	Color
Hex	945820
RGB	148, 88, 32
RGB Percent	58%, 35%, 13%
CMY	0.4196, 0.6549, 0.8745
CMYK	0.00, 0.41, 0.78, 0.42
HSL	29°, 64%, 35%
HSV	29°, 78%, 58%
XYZ	15.9632, 13.3796, 3.1077
YIQ	99.5560, 53.7360, -4.6960

Conversions

Conversions Part 2

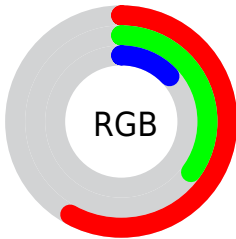
Format	Color
R_{YB}	148, 140, 32
Decimal	9721888
CIE _{Lab}	43.33, 20.13, 41.17
CIE _{LCh}	43, 45.831, 63.940
Yxy	13.3796, 0.4919, 0.4123
Android (android.graphics.Color)	4287911968 (0xFF945820)
YUV	99.5560, -33.3051, 42.4854
Hunter-Lab	36.5781, 13.8881, 20.5674

Details

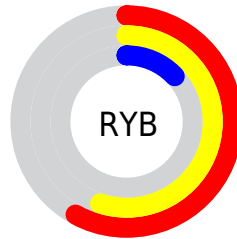
The XYZ color **15.9632, 13.3796, 3.1077** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.7680, 10.0991, 29.4514**, and the grayscale version is **12.0729, 12.7016, 13.8320**.

A 20% lighter version of the original color is **35.9900, 31.8780, 11.8456**, and **5.2416, 3.9312, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **15.2098, 12.1256, 2.0775**, and if you desaturate by 10%, it is **16.8736, 14.8031, 4.6364**.

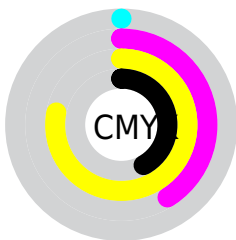
Distribution



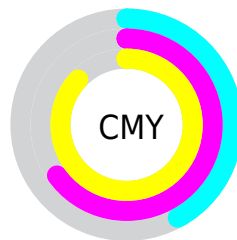
- Red (58%)
- Green (35%)
- Blue (13%)



- Red (58%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (42%)



- Cyan (42%)
- Magenta (65%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9632, 13.3796, 3.1077 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 15.9632, 13.3796, 3.1077 by changing the saturation by 10% instead.

■ 15.9632, 13.3796,
3.1077

■ 15.9632, 13.3796,
3.1077

222.3991,
213.3364, 137.7207

■ 9.5888, 7.6905,
1.1499

■ 36.0923, 31.9841,
11.8931

■ 5.1873, 3.8975,
0.0000

■ 50.5776, 45.6682,
19.5577

■ 2.3935, 1.6164,
0.0000

■ 68.4974, 62.7861,
29.9617

■ 0.8419, 0.3686,
0.0000

■ 90.2169, 83.7222,
43.5235

■ 0.0000, 0.0000,
0.0000

■ 116.1014,
108.8609, 60.6618

■ 146.5164,

138.5866, 81.7951

181.8272,
173.2836, 107.3419

15.9632, 13.3796,
3.1077

15.9632, 13.3796,
3.1077

15.2098, 12.1256,
2.0775

16.8736, 14.8031,
4.6364

14.5884, 11.0262,
1.4284

17.9528, 16.4023,
6.7202

14.4948, 10.8601,
1.3322

19.2122, 18.1853,
9.4085

20.6618, 20.1588,
12.7454

22.3108, 22.3294,
16.7703

■ 24.1676, 24.7031,
21.5200

■ 26.2401, 27.2856,
27.0282

■ 28.5360, 30.0825,
33.3267

■ 31.0622, 33.0990,
40.4454

Harmonies

Analogous

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



19.2743, 13.3796, 6.1421



15.9632, 13.3796, 3.1077



12.2528, 13.3796, 2.4639

Triad

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



15.9632, 13.3796, 3.1077



7.0427, 13.3796, 15.9556



16.9290, 13.3796, 37.5994

Complementary

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



15.9632, 13.3796, 3.1077



9.7680, 10.0991, 29.4514

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.



13.1926, 13.3796, 44.1357



15.9632, 13.3796, 3.1077



7.8462, 13.3796, 28.4638

Square

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



15.9632, 13.3796, 3.1077



7.5106, 13.3796, 7.5480



9.9436, 13.3796, 40.1886



19.9009, 13.3796, 24.9744

Rectangle

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



15.9632, 13.3796, 3.1077



10.1393, 13.3796, 2.9997



9.9436, 13.3796, 40.1886



15.6980, 13.3796, 40.7935

Sweetspot

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



15.9635, 13.3803, 3.1079



40.5990, 40.9886, 32.7016



14.7437, 8.1348, 11.3516



9.0320, 9.0530, 6.8689



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9635, 13.3803, 3.1079



26.0048, 19.9196, 2.8055



22.4669, 26.3871, 5.2757



6.0180, 6.2498, 6.1296



12.4080, 9.3304, 1.1470



0.1811, 0.1727, 0.0238

Inverse Universe

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



9.7680, 10.0991, 29.4514



14.5724, 13.8400, 51.3379



6.5679, 3.6990, 28.3847



5.7327, 6.0993, 7.3449



6.8330, 6.3609, 24.7987



0.1131, 0.1369, 0.3134

Previews

White Background



This preview shows how the XYZ color 15.9632, 13.3796, 3.1077 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 15.9632, 13.3796, 3.1077 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 15.9632, 13.3796, 3.1077

Background



This preview shows how black text looks on a background with the XYZ color 15.9632, 13.3796, 3.1077.



This preview shows how white text looks on a background with the XYZ color 15.9632, 13.3796,

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

15.9632, 13.3796, 3.1077

Protanopia

12.2389, 13.4727, 3.6245

Deuteranopia

13.6305, 13.4863, 2.9833



Tritanopia

17.5412, 13.3185, 10.8787

Trichromacy



Original Color

15.9632, 13.3796, 3.1077

Protanomaly

13.4235, 13.3687, 3.4630

Deuteranomaly

14.3778, 13.3284, 2.9772

Tritanomaly

16.7914, 13.2420, 7.1398

Monochromacy



Original Color

15.9632, 13.3796, 3.1077

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7890, 12.6556, 8.4253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9632, 13.3796, 3.1077 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(148, 88, 32)` looks like.

```
.text, #text, p{  
    color:rgb(148, 88, 32)  
}
```

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(148, 88, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 88, 32) }
```

Border

The CSS property to change the border of an element to XYZ 15.9632, 13.3796, 3.1077 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(148, 88, 32) }
```


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

```
.border{ border-color:rgb(148, 88, 32) }
```

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

Here you see how a box with a 4 pixel rgb(148, 88, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 88, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 88, 32);  
box-shadow:4px 4px 4px 4px rgb(148, 88,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9632, 13.3796, 3.1077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 88, 32) }
```

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

```
.background{ background-color: rgb(148, 88,  
32) }
```

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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