

Converting Colors

XYZ(27.8099, 32.8342, 15.6304)

Have a look what the booklet for
XYZ(27.8099, 32.8342, 15.6304)
contains.

XYZ(27.7732, 32.7401, 15.6821)	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(27.7732, 32.7401,
15.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	99A05F
RGB	153, 160, 95
RGB Percent	60%, 63%, 37%
CMY	0.4000, 0.3725, 0.6274
CMYK	0.04, 0.00, 0.41, 0.37
HSL	66°, 25%, 50%
HSV	66°, 41%, 63%
XYZ	27.7732, 32.7401, 15.6821
YIQ	150.4970, 16.6930, -21.6990

Conversions

Conversions Part 2

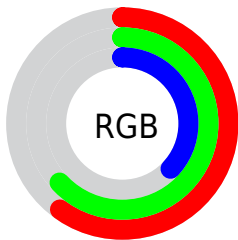
Format	Color
RYB	95, 160, 102
Decimal	10068063
CIELab	63.95, -12.82, 33.01
CIELCh	64, 35.411, 111.225
Yxy	32.7401, 0.3645, 0.4297
Android (android.graphics.Color)	4288258143 (0xFF99A05F)
YUV	150.4970, -27.3600, 2.1951
Hunter-Lab	57.2190, -13.4921, 23.8036

Details

The XYZ color **27.7732, 32.7401, 15.6821** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9180, 13.5481, 35.0356**, and the grayscale version is **29.3093, 30.8357, 33.5800**.

A 20% lighter version of the original color is **55.5012, 64.0861, 36.6388**, and **11.3486, 13.9092, 4.7759** is the 20% darker color. If you saturate the color by 10%, you get **26.7966, 32.3133, 12.2221**, and if you desaturate by 10%, it is **28.9055, 33.2321, 19.9305**.

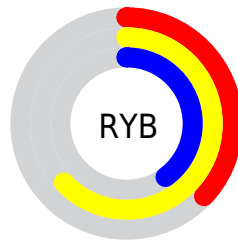
Distribution



Red (60%)

Green (63%)

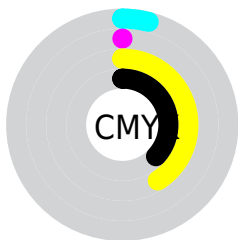
Blue (37%)



Red (37%)

Yellow (63%)

Blue (40%)

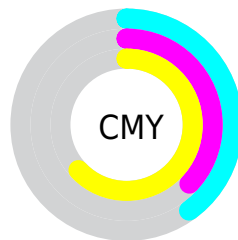


Cyan (4%)

Magenta (0%)

Yellow (41%)

Black (37%)



Cyan (40%)

Magenta (37%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7732, 32.7401, 15.6821 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 27.7732, 32.7401, 15.6821 by changing the saturation by 10% instead.

■ 27.7732, 32.7401,
15.6821

■ 27.7732, 32.7401,
15.6821

283.4814,
314.4770, 239.2398

■ 18.2943, 21.9274,
9.1476

■ 55.5333, 63.9695,
36.8045

■ 11.2625, 13.8036,
4.7394

■ 74.5453, 85.1551,
52.2295

■ 6.3123, 7.9842,
2.0392

■ 97.4657, 110.5671,
71.4550

■ 3.0783, 4.0848,
0.5792

■ 124.6599,
140.5899, 94.8996

■ 1.1953, 1.7211,
0.0000

156.4931,
175.6078, 122.9818

■ 0.1027, 0.4373,
0.0000

193.3309,

■ 0.0000, 0.0000,

216.0054, 156.1203

0.0000

235.5385,
262.1670, 194.7334

■ 27.7732, 32.7401,
15.6821

■ 27.7732, 32.7401,
15.6821

■ 26.7966, 32.3133,
12.2221

■ 28.9055, 33.2321,
19.9305

■ 25.9641, 31.9435,
9.5000

■ 30.1996, 33.7881,
25.0096

■ 25.2662, 31.6281,
7.4625

■ 31.6641, 34.4129,
30.9612

■ 24.6913, 31.3624,
6.0485

■ 33.3063, 35.1092,
37.8237

■ 24.2258, 31.1410,
5.1859

■ 35.1330, 35.8800,
45.6332

■ 23.8583, 30.9616,
4.7187

■ 37.1508, 36.7277,
54.4237

■ 39.3658, 37.6549,
64.2277

■ 41.7840, 38.6639,
75.0762

■ 44.4110, 39.7570,
86.9987

Harmonies

Analogous

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



32.6049, 32.7401, 14.8070



27.7732, 32.7401, 15.6821



24.2230, 32.7401, 21.0627

Triad

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



27.7732, 32.7401, 15.6821



25.4892, 32.7401, 61.6424



41.5943, 32.7401, 40.0059

Complementary

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



27.7732, 32.7401, 15.6821



15.9180, 13.5481, 35.0356

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.



39.2122, 32.7401, 55.7700



27.7732, 32.7401, 15.6821



29.6779, 32.7401, 70.2762

Square

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



27.7732, 32.7401, 15.6821



23.0056, 32.7401, 46.5481



34.7222, 32.7401, 67.8795



40.9443, 32.7401, 26.5987

Rectangle

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



27.7732, 32.7401, 15.6821



22.8911, 32.7401, 27.5171



34.7222, 32.7401, 67.8795



41.1130, 32.7401, 45.2418

Sweetspot

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



27.7740, 32.7416, 15.6828



57.0413, 62.2896, 54.3685



21.2662, 17.7054, 13.1235



12.4380, 13.6304, 11.6288



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.



27.7740, 32.7416, 15.6828



48.7645, 58.7179, 22.5746



22.5227, 30.0344, 15.4370



7.0997, 7.6841, 7.0946



18.6065, 24.1287, 3.6766



0.3508, 0.4408, 0.0666

Inverse Universe

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



15.9180, 13.5481, 35.0356



24.1693, 18.8784, 62.7566



20.2699, 15.7915, 35.2393



6.3478, 6.4678, 8.3205



5.1461, 2.0820, 26.0379



0.1090, 0.0460, 0.4664

Previews

White Background



This preview shows how the XYZ color 27.7732, 32.7401, 15.6821 looks on a white background.

Color Contrast Check

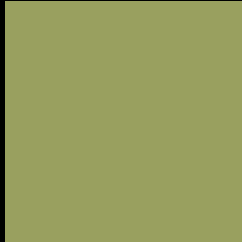
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7732, 32.7401, 15.6821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

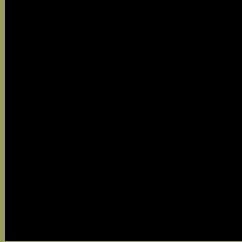
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7732, 32.7401, 15.6821

Background



This preview shows how black text looks on a background with the XYZ color 27.7732, 32.7401, 15.6821.



This preview shows how white text looks on a background with the XYZ color 27.7732, 32.7401,

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

27.7732, 32.7401, 15.6821

Protanopia

30.0593, 32.6680, 15.0772

Deuteranopia

33.2880, 32.6264, 16.0983



Tritanopia

32.6270, 32.7139, 39.7167

Trichromacy



Original Color

27.7732, 32.7401, 15.6821

Protanomaly

29.1816, 32.7086, 15.3650

Deuteranomaly

31.0651, 32.4335, 15.9322

Tritanomaly

30.4821, 32.5759, 29.1073

Monochromacy



Original Color

27.7732, 32.7401, 15.6821

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.3474, 31.3022, 25.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7732, 32.7401, 15.6821 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(153, 160, 95)` looks like.

```
.text, #text, p{  
    color:rgb(153, 160, 95)  
}
```

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(153, 160, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 160, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.7732, 32.7401, 15.6821 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(153, 160, 95) }
```


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

```
.border{ border-color:rgb(153, 160, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 160, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 160, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 160, 95);  
box-shadow:4px 4px 4px 4px rgb(153, 160,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7732, 32.7401, 15.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 160, 95) }
```

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

```
.background{ background-color: rgb(153,  
160, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor