

Converting Colors

XYZ(10.3362, 14.6358, 2.7798)

Have a look what the booklet for
XYZ(10.3362, 14.6358, 2.7798)
contains.

XYZ(10.2694, 14.5544, 2.7582)	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(10.2694, 14.5544,
2.7582)**

Conversions

Conversions Part 1

Format	Color
Hex	577410
RGB	87, 116, 16
RGB Percent	34%, 45%, 6%
CMY	0.6588, 0.5451, 0.9372
CMYK	0.25, 0.00, 0.86, 0.55
HSL	77°, 76%, 26%
HSV	77°, 86%, 45%
XYZ	10.2694, 14.5544, 2.7582
YIQ	95.9290, 14.8160, -37.2480

Conversions

Conversions Part 2

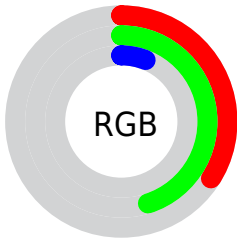
Format	Color
RYB	16, 116, 45
Decimal	5731344
CIELab	45.02, -24.86, 46.47
CIElCh	45, 52.699, 118.152
Yxy	14.5544, 0.3723, 0.5277
Android (android.graphics.Color)	4283921424 (0xFF577410)
YUV	95.9290, -39.4050, -7.8307
Hunter-Lab	38.1502, -18.7137, 22.4186

Details

The XYZ color **10.2694, 14.5544, 2.7582** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.4204, 2.1898, 16.7135**, and the grayscale version is **11.1914, 11.7743, 12.8222**.

A 20% lighter version of the original color is **25.9233, 34.0229, 10.9951**, and **2.8301, 4.5276, 0.7247** is the 20% darker color. If you saturate the color by 10%, you get **9.8934, 14.3691, 2.3785**, and if you desaturate by 10%, it is **10.7026, 14.7653, 3.3599**.

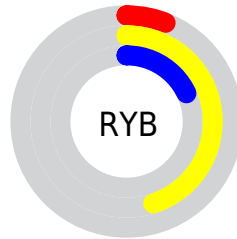
Distribution



 Red (34%)


 Green (45%)

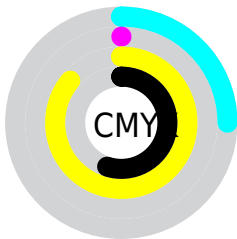
 Blue (6%)





 Red (6%)

 Yellow (45%)

 Blue (18%)

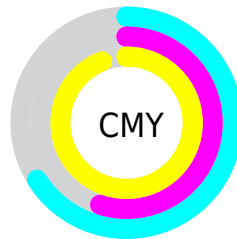



 Cyan (25%)

 Magenta (0%)

 Yellow (86%)

 Black (55%)



 Cyan (66%)

 Magenta (55%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2694, 14.5544, 2.7582 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 10.2694, 14.5544, 2.7582 by changing the saturation by 10% instead.

■ 10.2694, 14.5544,
2.7582

■ 10.2694, 14.5544,
2.7582

186.5979,
220.6530, 133.2188

■ 5.6416, 8.5073,
0.9725

■ 25.9461, 34.0695,
11.0257

■ 2.6670, 4.4212,
0.0000

■ 37.7257, 48.3063,
18.3447

■ 0.9802, 1.9119,
0.0000

■ 52.6199, 66.0418,
28.3451

■ 0.0000, 0.5555,
0.0000


■ 70.9941, 87.6603,
41.4456


■ 0.0000, 0.0000,
0.0000


■ 93.2136, 113.5463,
58.0646


■ 119.6439,


144.0842, 78.6208


 150.6502,
179.6583, 103.5327


 10.2694, 14.5544,
2.7582


 10.2694, 14.5544,
2.7582


 9.8934, 14.3691,
2.3785


 10.7026, 14.7653,
3.3599

 9.7566, 14.3013,
2.2462

 11.2036, 15.0046,
4.2430

 11.7787, 15.2752,
5.4371

 12.4327, 15.5792,
6.9678

 13.1702, 15.9183,
8.8579

■ 13.9954, 16.2943,
11.1285

■ 14.9122, 16.7088,
13.7989

■ 15.9240, 17.1631,
16.8869

■ 17.0344, 17.6587,
20.4096

Harmonies

Analogous

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



14.1035, 14.5544, 1.9730



10.2694, 14.5544, 2.7582



7.9040, 14.5544, 6.3097

Triad

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



10.2694, 14.5544, 2.7582



9.8932, 14.5544, 45.9059



23.9203, 14.5544, 16.6279

Complementary

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



10.2694, 14.5544, 2.7582



4.4204, 2.1898, 16.7135

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.



22.1676, 14.5544, 32.0282



10.2694, 14.5544, 2.7582



13.5670, 14.5544, 53.5561

Square

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



10.2694, 14.5544, 2.7582



7.7207, 14.5544, 29.9482



18.1394, 14.5544, 47.4846



22.5369, 14.5544, 7.0575

Rectangle

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



10.2694, 14.5544, 2.7582



7.1868, 14.5544, 11.4432



18.1394, 14.5544, 47.4846



23.6722, 14.5544, 21.2572

Sweetspot

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



10.2697, 14.5550, 2.7585



24.5309, 28.6096, 19.3645



8.2097, 5.5772, 1.1342



5.7553, 6.7812, 4.3479



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2697, 14.5550, 2.7585



17.0195, 25.0709, 3.9422



7.1265, 12.9346, 2.6114



3.8681, 4.2155, 3.9521



10.9299, 16.0389, 2.5198



52.3821, 77.7058, 12.2379

Inverse Universe

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



4.4204, 2.1898, 16.7135



6.5644, 2.7440, 29.2282



7.9885, 4.0292, 16.8805



3.5912, 3.6366, 4.6029



4.2479, 1.7812, 18.6625



19.9479, 8.2920, 90.9094

Previews

White Background



This preview shows how the XYZ color 10.2694, 14.5544, 2.7582 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 10.2694, 14.5544, 2.7582 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 10.2694, 14.5544, 2.7582

Background



This preview shows how black text looks on a background with the XYZ color 10.2694, 14.5544, 2.7582.



This preview shows how white text looks on a background with the XYZ color 10.2694, 14.5544,

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

10.2694, 14.5544, 2.7582

Protanopia

13.0761, 14.5375, 2.4976

Deuteranopia

14.6716, 14.4503, 2.9932



Tritanopia

13.4447, 14.5275, 18.6185

Trichromacy



Original Color

10.2694, 14.5544, 2.7582

Protanomaly

11.8395, 14.3717, 2.5655

Deuteranomaly

12.6350, 14.1479, 2.8239

Tritanomaly

11.6466, 14.2752, 9.7310

Monochromacy



Original Color

10.2694, 14.5544, 2.7582

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3776, 12.4329, 7.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2694, 14.5544, 2.7582 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(87, 116, 16)` looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 16)  
}
```

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(87, 116, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 16) }
```

Border

The CSS property to change the border of an element to XYZ 10.2694, 14.5544, 2.7582 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(87, 116, 16) }
```


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

```
.border{ border-color:rgb(87, 116, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 116, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 16);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2694, 14.5544, 2.7582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 16) }
```

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

```
.background{ background-color: rgb(87, 116,  
16) }
```

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