

Converting Colors

XYZ(8.9278, 13.4644, 11.0562)

Have a look what the booklet for
XYZ(8.9278, 13.4644, 11.0562)
contains.

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Color

**XYZ(8.9777, 13.5304,
11.1553)**

Conversions

Conversions Part 1

Format	Color
Hex	2E7357
RGB	46, 115, 87
RGB Percent	18%, 45%, 34%
CMY	0.8196, 0.5490, 0.6588
CMYK	0.60, 0.00, 0.24, 0.55
HSL	156°, 43%, 32%
HSV	156°, 60%, 45%
XYZ	8.9777, 13.5304, 11.1553
YIQ	91.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

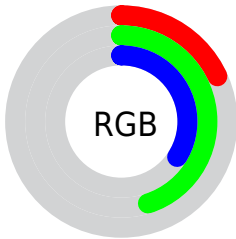
Format	Color
R_{YB}	46, 89, 115
Decimal	3044183
CIE _{Lab}	43.55, -28.98, 9.09
CIE _{LCh}	44, 30.373, 162.584
Yxy	13.5304, 0.2667, 0.4019
Android (android.graphics.Color)	4281234263 (0xFF2E7357)
YUV	91.1770, -2.0593, -39.6202
Hunter-Lab	36.7837, -20.8054, 7.7679

Details

The XYZ color **8.9777, 13.5304, 11.1553** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.2836, 6.0935, 7.1657**, and the grayscale version is **9.9942, 10.5147, 11.4505**.

A 20% lighter version of the original color is **23.4797, 32.0962, 28.6246**, and **2.3661, 4.0636, 2.8501** is the 20% darker color. If you saturate the color by 10%, you get **8.3430, 13.2249, 10.1624**, and if you desaturate by 10%, it is **9.7643, 13.9135, 12.2202**.

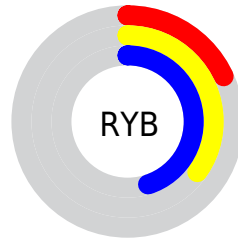
Distribution



 Red (18%)

 Green (45%)

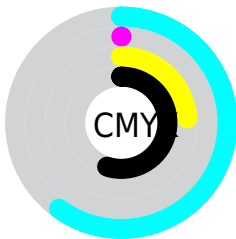
 Blue (34%)




 Red (18%)

 Yellow (35%)

 Blue (45%)

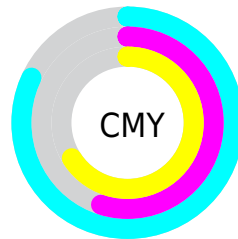


 Cyan (60%)


 Magenta (0%)

 Yellow (24%)

 Black (55%)



 Cyan (82%)

 Magenta (55%)

 Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.9777, 13.5304, 11.1553 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 8.9777, 13.5304, 11.1553 by changing the saturation by 10% instead.

■ 8.9777, 13.5304,
11.1553

■ 8.9777, 13.5304,
11.1553

177.4220,
214.2895, 209.5055

■ 4.7836, 7.7948,
6.0559

■ 23.5215, 32.2534,
28.5880

■ 2.1543, 3.9639,
2.8098

■ 34.6020, 46.0097,
41.7584

■ 0.7185, 1.6534,
0.9983

■ 48.7086, 63.2082,
58.4562

■ 0.0000, 0.3932,
0.0000

■ 66.2068, 84.2334,
79.1000

■ 0.0000, 0.0000,
0.0000

■ 87.4619, 109.4698,
104.1083

■ 112.8392,

139.3017, 133.8996

142.7041,
174.1135, 168.8925

■ 8.9777, 13.5304,
11.1553

■ 8.9777, 13.5304,
11.1553

■ 8.3430, 13.2249,
10.1624

■ 9.7643, 13.9135,
12.2202

■ 7.8476, 12.9894,
9.2390

■ 10.7121, 14.3779,
13.3579

■ 7.4783, 12.8176,
8.3833

■ 11.8308, 14.9289,
14.5704

■ 7.1846, 12.6834,
7.5919

■ 13.1291, 15.5711,
15.8590

■ 14.6150, 16.3084,
17.2253

■ 16.2961, 17.1448,
18.6706

■ 18.1795, 18.0839,
20.1965

■ 20.2720, 19.1292,
21.8041

■ 22.5799, 20.2839,
23.4948

Harmonies

Analogous

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



10.0119, 13.5304, 7.0504



8.9777, 13.5304, 11.1553



8.8995, 13.5304, 17.7682

Triad

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



8.9777, 13.5304, 11.1553



13.8807, 13.5304, 31.5308



16.5228, 13.5304, 7.5382

Complementary

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



8.9777, 13.5304, 11.1553



9.2836, 6.0935, 7.1657

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.



17.8500, 13.5304, 12.0636



8.9777, 13.5304, 11.1553



16.2032, 13.5304, 26.6075

Square

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



8.9777, 13.5304, 11.1553



11.5417, 13.5304, 31.0593



17.7263, 13.5304, 19.0023



14.2756, 13.5304, 5.4473

Rectangle

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



8.9777, 13.5304, 11.1553



9.3844, 13.5304, 22.9543



17.7263, 13.5304, 19.0023



17.1031, 13.5304, 8.7536

Sweetspot

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



8.9781, 13.5309, 11.1556



23.8935, 28.0724, 28.7621



9.5064, 13.9451, 4.7755



5.5577, 6.6265, 6.7261



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.



8.9781, 13.5309, 11.1556



14.5655, 23.5024, 17.5389



9.7169, 12.8098, 18.1807



3.7234, 4.1313, 4.3773



8.2024, 14.4950, 8.6219



39.5387, 70.4627, 39.7375

Inverse Universe

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



9.2836, 6.0935, 7.1657



15.1762, 8.8649, 9.7331



8.7806, 6.2760, 3.3335



3.7398, 3.7232, 4.1567



8.6514, 4.3943, 3.3726



41.7576, 21.2532, 14.3189

Previews

White Background



This preview shows how the XYZ color 8.9777, 13.5304, 11.1553 looks on a white background.

Color Contrast Check

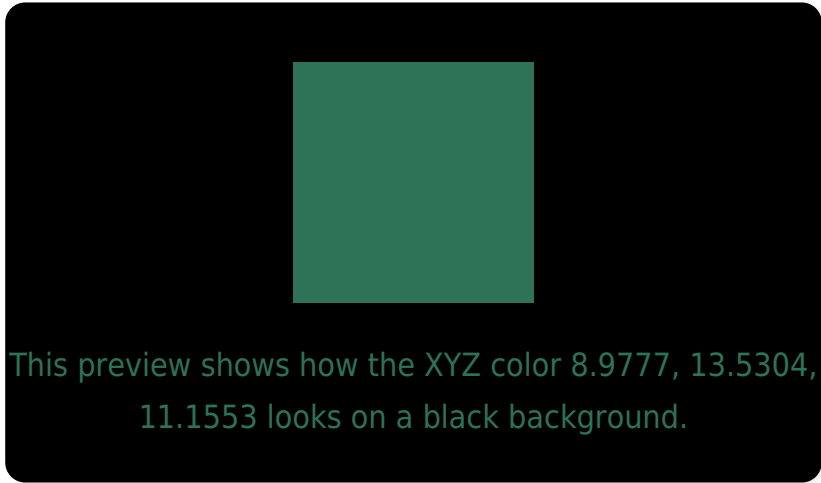
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.9777, 13.5304, 11.1553

Background



This preview shows how black text looks on a background with the XYZ color 8.9777, 13.5304, 11.1553.



This preview shows how white text looks on a background with the XYZ color 8.9777, 13.5304,

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

8.9777, 13.5304, 11.1553

Protanopia

12.5432, 13.3480, 9.6999

Deuteranopia

13.6863, 13.4609, 11.7744



Tritanopia

10.7619, 13.5948, 19.8261

Trichromacy



Original Color

8.9777, 13.5304, 11.1553

Protanomaly

10.6568, 13.1184, 10.1540

Deuteranomaly

11.2114, 13.0655, 11.6038

Tritanomaly

9.9691, 13.4279, 16.2538

Monochromacy



Original Color

8.9777, 13.5304, 11.1553

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3043, 11.3484, 11.3729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9777, 13.5304, 11.1553 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(46, 115, 87)` looks like.

```
.text, #text, p{  
    color:rgb(46, 115, 87)  
}
```

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(46, 115, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 115, 87) }
```

Border

The CSS property to change the border of an element to XYZ 8.9777, 13.5304, 11.1553 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(46, 115, 87) }
```


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

```
.border{ border-color:rgb(46, 115, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 115, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 115, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 115, 87);  
box-shadow:4px 4px 4px 4px rgb(46, 115,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9777, 13.5304, 11.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 115, 87) }
```

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

```
.background{ background-color: rgb(46, 115,  
87) }
```

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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