

Converting Colors

XYZ(8.2030, 12.5429, 10.9271)

Have a look what the booklet for
XYZ(8.2030, 12.5429, 10.9271)
contains.

XYZ(8.1677, 12.4503, 10.9895)	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(8.1677, 12.4503,
10.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	256F57
RGB	37, 111, 87
RGB Percent	15%, 44%, 34%
CMY	0.8549, 0.5647, 0.6588
CMYK	0.67, 0.00, 0.22, 0.56
HSL	161°, 50%, 29%
HSV	161°, 67%, 44%
XYZ	8.1677, 12.4503, 10.9895
YIQ	86.1380, -36.4000, -23.1520

Conversions

Conversions Part 2

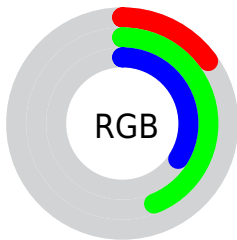
Format	Color
R_{YB}	37, 81, 111
Decimal	2453335
CIE _{Lab}	41.92, -29.03, 6.75
CIE _{LCh}	42, 29.799, 166.910
Yxy	12.4503, 0.2584, 0.3939
Android (android.graphics.Color)	4280643415 (0xFF256F57)
YUV	86.1380, 0.4250, -43.0940
Hunter-Lab	35.2850, -20.4299, 6.2336

Details

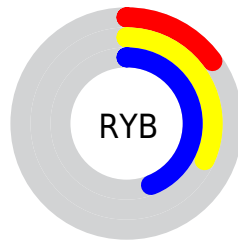
The XYZ color **8.1677, 12.4503, 10.9895** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.0598, 5.0399, 4.9634**, and the grayscale version is **8.8797, 9.3421, 10.1736**.

A 20% lighter version of the original color is **21.9269, 30.2247, 28.3452**, and **2.1405, 3.6124, 2.7749** is the 20% darker color. If you saturate the color by 10%, you get **7.6850, 12.2184, 10.2183**, and if you desaturate by 10%, it is **8.7796, 12.7486, 11.8056**.

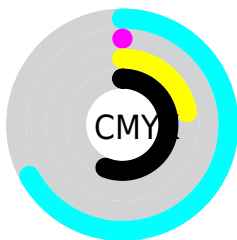
Distribution



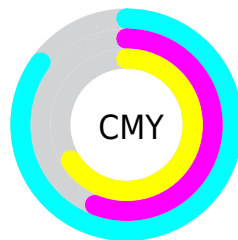
- Red (15%)
- Green (44%)
- Blue (34%)



- Red (15%)
- Yellow (32%)
- Blue (44%)



- Cyan (67%)
- Magenta (0%)
- Yellow (22%)
- Black (56%)





- Cyan (85%)
- Magenta (56%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.1677, 12.4503, 10.9895 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 8.1677, 12.4503, 10.9895 by changing the saturation by 10% instead.


 8.1677, 12.4503,
10.9895

 8.1677, 12.4503,
10.9895


171.3835,
207.3640, 208.3304


 4.2552, 7.0511,
5.9457


 21.9688, 30.3126,
28.2771


 1.8475, 3.4941,
2.7438


 32.5881, 43.5446,
41.3580


 0.5460, 1.3948,
0.9654

 46.1737, 60.1562,
57.9550

 0.0000, 0.2129,
0.0000

 63.0910, 80.5320,
78.4866

 0.0000, 0.0000,
0.0000

 83.7052, 105.0563,
103.3714

 108.3818,

134.1134, 133.0279

137.4861,
168.0879, 167.8747

■ 8.1677, 12.4503,
10.9895

■ 8.1677, 12.4503,
10.9895

■ 7.6850, 12.2184,
10.2183

■ 8.7796, 12.7486,
11.8056

■ 7.3191, 12.0454,
9.4901

■ 9.5298, 13.1171,
12.6667

■ 7.0425, 11.9178,
8.8032

■ 10.4276, 13.5608,
13.5742

■ 6.9546, 11.8773,
8.5825

■ 11.4814, 14.0840,
14.5288

■ 12.6987, 14.6906,
15.5315

■ 14.0867, 15.3843,
16.5831

■ 15.6520, 16.1685,
17.6844

■ 17.4010, 17.0464,
18.8361

■ 19.3396, 18.0212,
20.0391

Harmonies

Analogous

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



9.0011, 12.4503, 6.8413



8.1677, 12.4503, 10.9895



8.2249, 12.4503, 17.4013

Triad

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



8.1677, 12.4503, 10.9895



13.1094, 12.4503, 28.7967



14.9707, 12.4503, 6.4850

Complementary

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



8.1677, 12.4503, 10.9895



8.0598, 5.0399, 4.9634

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.



16.3682, 12.4503, 10.3239



8.1677, 12.4503, 10.9895



15.2056, 12.4503, 23.6509

Square

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



8.1677, 12.4503, 10.9895



10.8997, 12.4503, 29.1442



16.4592, 12.4503, 16.4945



12.8194, 12.4503, 4.8389

Rectangle

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



8.1677, 12.4503, 10.9895



8.7587, 12.4503, 22.2282



16.4592, 12.4503, 16.4945



15.5552, 12.4503, 7.4963

Sweetspot

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



8.1680, 12.4508, 10.9898



21.8571, 25.8655, 27.1038



7.9845, 12.5163, 3.7456



5.1370, 6.1572, 6.4176



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.1680, 12.4508, 10.9898



13.3751, 21.6951, 17.5686



8.0629, 10.4021, 16.6223



3.4312, 3.7977, 4.0768



8.1828, 13.9906, 10.0494



40.3545, 69.5304, 47.9133

Inverse Universe

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



8.0598, 5.0399, 4.9634



13.1866, 7.3364, 5.9974



8.0022, 5.7381, 2.4363



3.4250, 3.4177, 3.7647



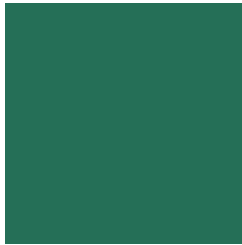
8.0890, 4.1280, 2.2788



39.9376, 20.4204, 9.4698

Previews

White Background



This preview shows how the XYZ color 8.1677, 12.4503, 10.9895 looks on a white background.

Color Contrast Check

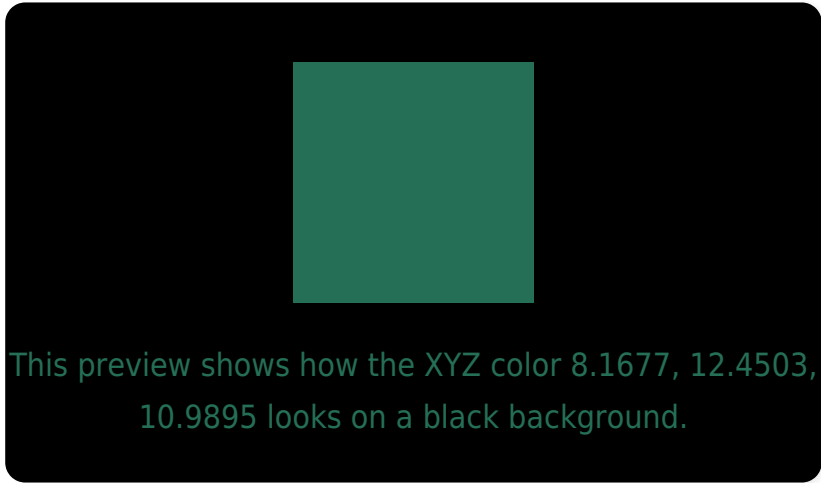
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1677, 12.4503, 10.9895

Background



This preview shows how black text looks on a background with the XYZ color 8.1677, 12.4503, 10.9895.



This preview shows how white text looks on a background with the XYZ color 8.1677, 12.4503, 10.9895.

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

8.1677, 12.4503, 10.9895

Protanopia

11.5618, 12.2725, 9.5440

Deuteranopia

12.4932, 12.3021, 11.3889



Tritanopia

9.6767, 12.4293, 18.4121

Trichromacy



Original Color

8.1677, 12.4503, 10.9895

Protanomaly

9.7198, 12.0305, 9.9934

Deuteranomaly

10.1130, 11.9134, 11.2177

Tritanomaly

8.9946, 12.3029, 15.2652

Monochromacy



Original Color

8.1677, 12.4503, 10.9895

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.1558, 10.0852, 10.3209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1677, 12.4503, 10.9895 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(37, 111, 87)` looks like.

```
.text, #text, p{  
    color:rgb(37, 111, 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(37, 111, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 111, 87) }
```

Border

The CSS property to change the border of an element to XYZ 8.1677, 12.4503, 10.9895 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(37, 111, 87) }
```


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

```
.border{ border-color:rgb(37, 111, 87) }
```

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

Here you see how a box with a 4 pixel rgb(37, 111, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 111, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 111, 87);  
box-shadow:4px 4px 4px 4px rgb(37, 111,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1677, 12.4503, 10.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 111, 87) }
```

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

```
.background{ background-color: rgb(37, 111,  
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](#).

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