

Converting Colors

XYZ(9.7461, 12.1745, 14.5809)

Have a look what the booklet for
XYZ(9.7461, 12.1745, 14.5809)
contains.

XYZ(9.8145, 12.2757, 14.6841)	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(9.8145, 12.2757,
14.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	436967
RGB	67, 105, 103
RGB Percent	26%, 41%, 40%
CMY	0.7372, 0.5882, 0.5961
CMYK	0.36, 0.00, 0.02, 0.59
HSL	177°, 22%, 34%
HSV	177°, 36%, 41%
XYZ	9.8145, 12.2757, 14.6841
YIQ	93.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

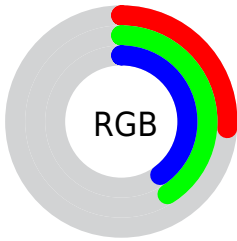
Format	Color
R_{YB}	67, 87, 105
Decimal	4417895
CIE Lab	41.65, -13.92, -3.17
CIE LCh	42, 14.277, 192.809
Yxy	12.2757, 0.2669, 0.3338
Android (android.graphics.Color)	4282607975 (0xFF436967)
YUV	93.4100, 4.7279, -23.1616
Hunter-Lab	35.0367, -11.3127, -0.3231

Details

The XYZ color **9.8145, 12.2757, 14.6841** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9075, 7.4476, 6.5988**, and the grayscale version is **10.4936, 11.0401, 12.0227**.

A 20% lighter version of the original color is **25.0573, 29.8919, 35.0209**, and **2.4954, 3.4501, 4.2758** is the 20% darker color. If you saturate the color by 10%, you get **9.1314, 11.9270, 14.5080**, and if you desaturate by 10%, it is **10.6291, 12.6927, 14.8679**.

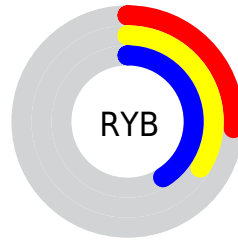
Distribution



Red (26%)

Green (41%)

Blue (40%)



Red (26%)

Yellow (34%)

Blue (41%)

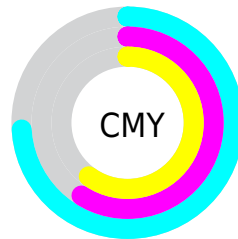


Cyan (36%)

Magenta (0%)

Yellow (2%)

Black (59%)



Cyan (74%)

Magenta (59%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8145, 12.2757, 14.6841 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 9.8145, 12.2757, 14.6841 by changing the saturation by 10% instead.

■ 9.8145, 12.2757,
14.6841

■ 9.8145, 12.2757,
14.6841

183.4244,
206.2220, 233.0206

■ 5.3375, 6.9317,
8.4538

■ 25.0989, 29.9963,
35.0325

■ 2.4834, 3.4194,
4.2948

■ 36.6369, 43.1416,
49.9876

■ 0.8869, 1.3544,
1.7884

■ 51.2593, 59.6562,
68.6882

■ 0.0000, 0.1828,
0.4203

■ 69.3314, 79.9245,
91.5527

■ 0.0000, 0.0000,
0.0000

■ 91.2187, 104.3309,
118.9996

117.2863,

133.2596, 151.4476

147.8998,
167.0952, 189.3151

■ 9.8145, 12.2757,
14.6841

■ 9.8145, 12.2757,
14.6841

■ 9.1314, 11.9270,
14.5080

■ 10.6291, 12.6927,
14.8679

■ 8.5716, 11.6416,
14.3383

■ 11.5806, 13.1800,
15.0588

■ 8.1278, 11.4160,
14.1750

■ 12.6755, 13.7412,
15.2573

■ 7.7913, 11.2457,
14.0177

■ 13.9195, 14.3792,
15.4638

■ 7.5524, 11.1256,
13.8659

■ 15.3181, 15.0969,
15.6785

■ 7.3868, 11.0433,
13.7185

■ 16.8763, 15.8969,
15.9016

■ 7.3265, 11.0135,
13.6627

■ 18.5991, 16.7817,
16.1334

■ 20.4912, 17.7537,
16.3741

■ 22.5570, 18.8153,
16.6239

Harmonies

Analogous

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



9.8500, 12.2757, 11.7351



9.8145, 12.2757, 14.6841



10.2536, 12.2757, 17.6745

Triad

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



9.8145, 12.2757, 14.6841



13.0883, 12.2757, 18.0523



12.2722, 12.2757, 8.5845

Complementary

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



9.8145, 12.2757, 14.6841



8.9075, 7.4476, 6.5988

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.



13.2061, 12.2757, 9.8219



9.8145, 12.2757, 14.6841



13.6963, 12.2757, 15.1417

Square

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



9.8145, 12.2757, 14.6841



12.1192, 12.2757, 19.8056



13.7406, 12.2757, 12.1295



11.2275, 12.2757, 8.4999

Rectangle

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



9.8145, 12.2757, 14.6841



10.7726, 12.2757, 19.1715



13.7406, 12.2757, 12.1295



12.6110, 12.2757, 8.8698

Sweetspot

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



9.8149, 12.2762, 14.6844



21.6584, 24.0724, 27.1351



8.5573, 11.7937, 7.1359



5.0313, 5.6173, 6.3487



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.8149, 12.2762, 14.6844



16.5714, 21.4689, 26.0381



8.3986, 9.2810, 14.7139



3.1752, 3.4893, 3.9067



9.2723, 13.9430, 17.2769



47.1443, 71.0048, 87.4957

Inverse Universe

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



8.9075, 7.4476, 6.5988



14.6990, 11.4995, 9.3494



9.9683, 9.6671, 6.6510



3.1056, 3.1191, 3.2866



7.4103, 3.8163, 0.5234



37.6584, 19.4053, 2.1379

Previews

White Background



This preview shows how the XYZ color 9.8145, 12.2757, 14.6841 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 9.8145, 12.2757, 14.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

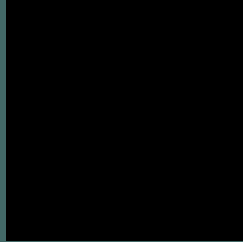
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8145, 12.2757, 14.6841

Background



This preview shows how black text looks on a background with the XYZ color 9.8145, 12.2757, 14.6841.



This preview shows how white text looks on a background with the XYZ color 9.8145, 12.2757,

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

9.8145, 12.2757, 14.6841

Protanopia

11.6724, 12.1029, 13.5253

Deuteranopia

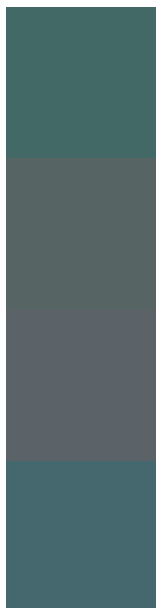
12.3509, 12.1474, 15.0583



Tritanopia

10.3292, 12.3357, 17.1659

Trichromacy



Original Color

9.8145, 12.2757, 14.6841

Protanomaly

10.7879, 12.0607, 13.8160

Deuteranomaly

11.2749, 12.1473, 14.8471

Tritanomaly

10.0945, 12.2337, 16.2973

Monochromacy



Original Color

9.8145, 12.2757, 14.6841

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0885, 11.2973, 12.9581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8145, 12.2757, 14.6841 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(67, 105, 103)` looks like.

```
.text, #text, p{  
    color:rgb(67, 105, 103)  
}
```

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(67, 105, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 105, 103) }
```

Border

The CSS property to change the border of an element to XYZ 9.8145, 12.2757, 14.6841 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(67, 105, 103) }
```


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

```
.border{ border-color:rgb(67, 105, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 105, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 105, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 105, 103);  
box-shadow:4px 4px 4px 4px rgb(67, 105,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8145, 12.2757, 14.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 105, 103) }
```

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

```
.background{ background-color: rgb(67, 105,  
103) }
```

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