

Converting Colors

XYZ(9.8142, 13.1473, 10.6148)

Have a look what the booklet for
XYZ(9.8142, 13.1473, 10.6148)
contains.

XYZ(9.8142, 13.1473, 10.6148)	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(9.8142, 13.1473,
10.6148)**

Conversions

Conversions Part 1

Format	Color
Hex	476E55
RGB	71, 110, 85
RGB Percent	28%, 43%, 33%
CMY	0.7216, 0.5686, 0.6667
CMYK	0.35, 0.00, 0.23, 0.57
HSL	142°, 22%, 35%
HSV	142°, 35%, 43%
XYZ	9.8142, 13.1473, 10.6148
YIQ	95.4890, -15.2190, -16.0430

Conversions

Conversions Part 2

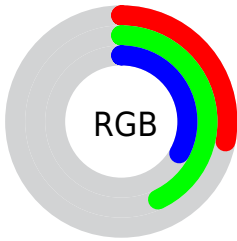
Format	Color
RYB	71, 100, 110
Decimal	4681301
CIELab	42.98, -19.67, 9.65
CIElCh	43, 21.910, 153.871
Yxy	13.1473, 0.2923, 0.3916
Android (android.graphics.Color)	4282871381 (0xFF476E55)
YUV	95.4890, -5.1711, -21.4769
Hunter-Lab	36.2592, -15.1394, 8.0244

Details

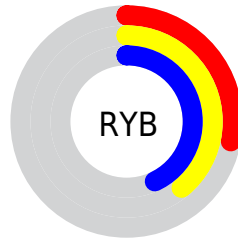
The XYZ color **9.8142, 13.1473, 10.6148** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7954, 8.6664, 12.1708**, and the grayscale version is **11.0097, 11.5830, 12.6139**.

A 20% lighter version of the original color is **25.1787, 31.6549, 27.7046**, and **2.4823, 3.7926, 2.6087** is the 20% darker color. If you saturate the color by 10%, you get **8.8131, 12.6623, 9.1778**, and if you desaturate by 10%, it is **10.9901, 13.7198, 12.2063**.

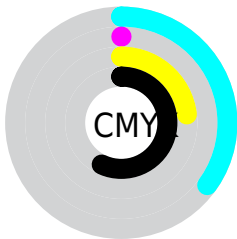
Distribution



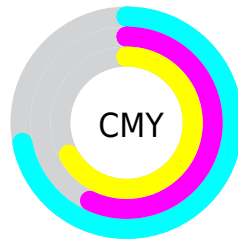
- Red (28%)
- Green (43%)
- Blue (33%)



- Red (28%)
- Yellow (39%)
- Blue (43%)



- Cyan (35%)
- Magenta (0%)
- Yellow (23%)
- Black (57%)



- Cyan (72%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8142, 13.1473, 10.6148 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 9.8142, 13.1473, 10.6148 by changing the saturation by 10% instead.

■ 9.8142, 13.1473,
10.6148

■ 9.8142, 13.1473,
10.6148

183.4223,
211.8595, 205.6471

■ 5.3373, 7.5301,
5.6976

■ 25.0983, 31.5682,
27.5713

■ 2.4833, 3.7957,
2.5963

■ 36.6362, 45.1406,
40.4477

■ 0.8868, 1.5600,
0.8905

■ 51.2584, 62.1335,
56.8141

■ 0.0000, 0.3304,
0.0000

■ 69.3303, 82.9313,
77.0892

■ 0.0000, 0.0000,
0.0000

■ 91.2173, 107.9184,
101.6916

117.2847,

137.4793, 131.0396

147.8979,
171.9982, 165.5519

■ 9.8142, 13.1473,
10.6148

■ 9.8142, 13.1473,
10.6148

■ 8.8131, 12.6623,
9.1778

■ 10.9901, 13.7198,
12.2063

■ 7.9769, 12.2589,
7.8899

■ 12.3477, 14.3824,
13.9559

■ 7.2966, 11.9328,
6.7463

■ 13.8950, 15.1393,
15.8681

■ 6.7616, 11.6787,
5.7420

■ 15.6391, 15.9942,
17.9471

■ 6.3600, 11.4905,
4.8713

■ 17.5867, 16.9505,
20.1967

■ 6.0691, 11.3567,
4.1281

■ 19.7442, 18.0113,
22.6209

■ 5.9505, 11.3020,
3.8298

■ 22.1179, 19.1798,
25.2233

■ 24.7135, 20.4590,
28.0075

■ 27.5367, 21.8516,
30.9770

Harmonies

Analogous

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



10.7807, 13.1473, 7.9252



9.8142, 13.1473, 10.6148



9.5420, 13.1473, 14.9489

Triad

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



9.8142, 13.1473, 10.6148



12.7155, 13.1473, 25.6731



15.3751, 13.1473, 9.7529

Complementary

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



9.8142, 13.1473, 10.6148



10.7954, 8.6664, 12.1708

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.



16.0046, 13.1473, 13.6996



9.8142, 13.1473, 10.6148



14.3845, 13.1473, 23.4537

Square

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



9.8142, 13.1473, 10.6148



11.1266, 13.1473, 24.3325



15.6269, 13.1473, 18.7888



13.9736, 13.1473, 7.5114

Rectangle

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



9.8142, 13.1473, 10.6148



9.7685, 13.1473, 18.3954



15.6269, 13.1473, 18.7888



15.6894, 13.1473, 10.8879

Sweetspot

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



9.8146, 13.1478, 10.6151



22.7736, 25.7900, 25.8705



11.5745, 14.1132, 8.0756



5.2400, 5.9724, 5.9462



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.8146, 13.1478, 10.6151



15.6900, 22.3399, 16.4325



10.6812, 13.4945, 15.1789



3.3900, 3.7812, 3.8598



7.1349, 13.5715, 4.5310



35.1622, 67.4535, 20.5712

Inverse Universe

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



10.7954, 8.6664, 12.1708



17.7014, 13.1403, 19.6150



10.0183, 8.3556, 8.0785



3.4660, 3.4341, 3.9808



9.0585, 4.5158, 7.3837



44.7014, 22.3259, 34.5551

Previews

White Background



This preview shows how the XYZ color 9.8142, 13.1473, 10.6148 looks on a white background.

Color Contrast Check

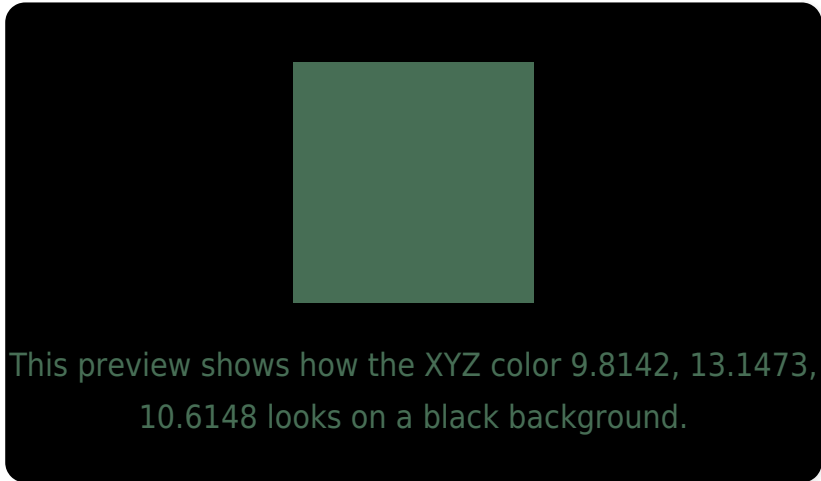
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8142, 13.1473, 10.6148

Background



This preview shows how black text looks on a background with the XYZ color 9.8142, 13.1473, 10.6148.



This preview shows how white text looks on a background with the XYZ color 9.8142, 13.1473,

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

9.8142, 13.1473, 10.6148

Protanopia

12.2023, 13.0272, 9.6560

Deuteranopia

13.2386, 12.9670, 11.0376



Tritanopia

11.3091, 13.1237, 18.1567

Trichromacy



Original Color

9.8142, 13.1473, 10.6148

Protanomaly

11.0894, 12.8895, 9.8861

Deuteranomaly

11.7272, 12.9002, 10.8887

Tritanomaly

10.6580, 13.0107, 15.0463

Monochromacy



Original Color

9.8142, 13.1473, 10.6148

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2833, 11.8481, 11.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8142, 13.1473, 10.6148 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(71, 110, 85)` looks like.

```
.text, #text, p{  
    color:rgb(71, 110, 85)  
}
```

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(71, 110, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 110, 85) }
```

Border

The CSS property to change the border of an element to XYZ 9.8142, 13.1473, 10.6148 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(71, 110, 85) }
```


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

```
.border{ border-color:rgb(71, 110, 85) }
```

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

Here you see how a box with a 4 pixel rgb(71, 110, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 110, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 110, 85);  
box-shadow:4px 4px 4px 4px rgb(71, 110,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8142, 13.1473, 10.6148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 110, 85) }
```

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

```
.background{ background-color: rgb(71, 110,  
85) }
```

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