

Converting Colors

XYZ(11.1220, 14.1337, 12.7605)

Have a look what the booklet for
XYZ(11.1220, 14.1337, 12.7605)
contains.

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Color

**XYZ(11.1228, 14.1020,
12.7254)**

Conversions

Conversions Part 1

Format	Color
Hex	50705E
RGB	80, 112, 94
RGB Percent	31%, 44%, 37%
CMY	0.6863, 0.5608, 0.6314
CMYK	0.29, 0.00, 0.16, 0.56
HSL	146°, 17%, 38%
HSV	146°, 29%, 44%
XYZ	11.1228, 14.1020, 12.7254
YIQ	100.3800, -13.2940, -12.3820

Conversions

Conversions Part 2

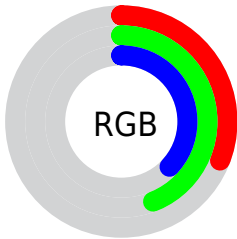
Format	Color
R_{YB}	80, 102, 112
Decimal	5271646
CIE _{Lab}	44.38, -15.69, 6.32
CIE _{LCh}	44, 16.912, 158.065
Yxy	14.1020, 0.2931, 0.3716
Android (android.graphics.Color)	4283461726 (0xFF50705E)
YUV	100.3800, -3.1453, -17.8733
Hunter-Lab	37.5526, -12.8468, 6.1953

Details

The XYZ color **11.1228, 14.1020, 12.7254** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7558, 10.0642, 12.8788**, and the grayscale version is **12.2208, 12.8572, 14.0015**.

A 20% lighter version of the original color is **27.5154, 33.3104, 31.3649**, and **3.0266, 4.2203, 3.4514** is the 20% darker color. If you saturate the color by 10%, you get **9.9836, 13.5465, 11.2562**, and if you desaturate by 10%, it is **12.4435, 14.7492, 14.3242**.

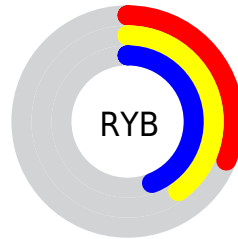
Distribution



Red (31%)

Green (44%)

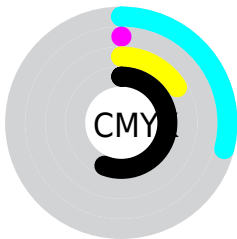
Blue (37%)



Red (31%)

Yellow (40%)

Blue (44%)

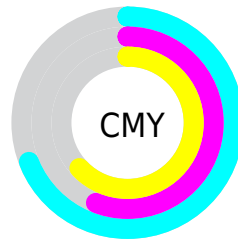


Cyan (29%)

Magenta (0%)

Yellow (16%)

Black (56%)



Cyan (69%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1228, 14.1020, 12.7254 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 11.1228, 14.1020, 12.7254 by changing the saturation by 10% instead.

■ 11.1228, 14.1020,
12.7254

■ 11.1228, 14.1020,
12.7254

192.3990,
217.8645, 220.2959

■ 6.2174, 8.1916,
7.1112

■ 27.5180, 33.2699,
31.4935

■ 3.0196, 4.2178,
3.4523

■ 39.7384, 47.2962,
45.4845

■ 1.1642, 1.7961,
1.3299

■ 55.1280, 64.7967,
63.1048

■ 0.0778, 0.4848,
0.0861

■ 74.0519, 86.1556,
84.7731

■ 0.0000, 0.0000,
0.0000

■ 96.8756, 111.7575,
110.9078

123.9645,

141.9867, 141.9275

155.6839,
177.2275, 178.2506

■ 11.1228, 14.1020,
12.7254

■ 11.1228, 14.1020,
12.7254

■ 9.9836, 13.5465,
11.2562

■ 12.4435, 14.7492,
14.3242

■ 9.0165, 13.0766,
9.9123

■ 13.9524, 15.4904,
16.0548

■ 8.2127, 12.6885,
8.6908

■ 15.6572, 16.3297,
17.9206

■ 7.5624, 12.3769,
7.5881

■ 17.5649, 17.2707,
19.9243

■ 7.0544, 12.1364,
6.6004

■ 19.6819, 18.3169,
22.0689

■ 6.6762, 11.9604,
5.7237

■ 22.0147, 19.4712,
24.3571

■ 6.3880, 11.8287,
4.9527

■ 24.5692, 20.7369,
26.7916

■ 6.3488, 11.8107,
4.8508

■ 27.3512, 22.1167,
29.3749

■ 30.3662, 23.6136,
32.1095

Harmonies

Analogous

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



11.8561, 14.1020, 10.1843



11.1228, 14.1020, 12.7254



10.9792, 14.1020, 16.4288

Triad

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



11.1228, 14.1020, 12.7254



13.7735, 14.1020, 24.0201



15.5679, 14.1020, 11.1873

Complementary

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



11.1228, 14.1020, 12.7254



11.7558, 10.0642, 12.8788

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.



16.1608, 14.1020, 14.3285



11.1228, 14.1020, 12.7254



15.0801, 14.1020, 22.0323

Square

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



11.1228, 14.1020, 12.7254



12.4509, 14.1020, 23.3953



15.9765, 14.1020, 18.3233



14.4035, 14.1020, 9.4064

Rectangle

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



11.1228, 14.1020, 12.7254



11.2274, 14.1020, 19.1515



15.9765, 14.1020, 18.3233



15.8441, 14.1020, 12.0961

Sweetspot

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



11.1232, 14.1026, 12.7257



24.3236, 27.1199, 27.9942



12.2940, 14.7723, 9.7929



5.7656, 6.4771, 6.6376



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.



11.1232, 14.1026, 12.7257



18.2390, 24.1383, 20.6979



11.9101, 14.4174, 16.8696



3.4000, 3.7852, 3.9129



7.3281, 13.6487, 5.5484



36.0860, 67.8230, 25.4359

Inverse Universe

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



11.7558, 10.0642, 12.8788



19.5364, 15.8532, 21.0096



11.0792, 9.7935, 9.3158



3.4557, 3.4300, 3.9265



8.7506, 4.3926, 5.7627



43.1516, 21.7060, 26.3942

Previews

White Background



This preview shows how the XYZ color 11.1228, 14.1020, 12.7254 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 11.1228, 14.1020, 12.7254 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 11.1228, 14.1020, 12.7254

Background



This preview shows how black text looks on a background with the XYZ color 11.1228, 14.1020, 12.7254.

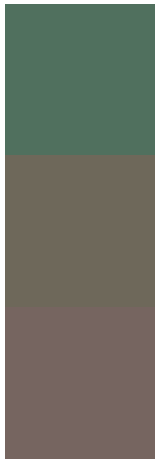


This preview shows how white text looks on a background with the XYZ color 11.1228, 14.1020,

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

11.1228, 14.1020, 12.7254

Protanopia

13.2262, 13.9538, 11.6691

Deuteranopia

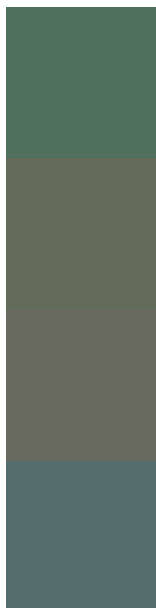
14.2362, 14.0034, 13.0189



Tritanopia

12.4258, 14.1529, 18.9065

Trichromacy



Original Color

11.1228, 14.1020, 12.7254

Protanomaly

12.2916, 13.9234, 11.9372

Deuteranomaly

12.8261, 13.8724, 12.8281

Tritanomaly

11.9035, 14.0950, 16.5612

Monochromacy



Original Color

11.1228, 14.1020, 12.7254

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.6691, 13.1096, 13.4707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1228, 14.1020, 12.7254 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(80, 112, 94)` looks like.

```
.text, #text, p{  
    color:rgb(80, 112, 94)  
}
```

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(80, 112, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 112, 94) }
```

Border

The CSS property to change the border of an element to XYZ 11.1228, 14.1020, 12.7254 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(80, 112, 94) }
```


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

```
.border{ border-color:rgb(80, 112, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 112, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 112, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 112, 94);  
box-shadow:4px 4px 4px 4px rgb(80, 112,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1228, 14.1020, 12.7254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 112, 94) }
```

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

```
.background{ background-color: rgb(80, 112,  
94) }
```

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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