

Converting Colors

XYZ(11.0230, 12.7956, 14.7010)

Have a look what the booklet for
XYZ(11.0230, 12.7956, 14.7010)
contains.

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Color

**XYZ(10.9658, 12.7189,
14.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	536867
RGB	83, 104, 103
RGB Percent	33%, 41%, 40%
CMY	0.6745, 0.5921, 0.5961
CMYK	0.20, 0.00, 0.01, 0.59
HSL	177°, 11%, 37%
HSV	177°, 20%, 41%
XYZ	10.9658, 12.7189, 14.7090
YIQ	97.6070, -12.1950, -4.7630

Conversions

Conversions Part 2

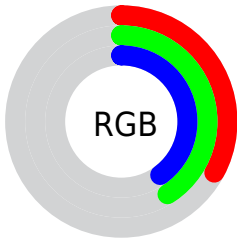
Format	Color
R_{YB}	83, 94, 104
Decimal	5466215
CIE Lab	42.34, -8.04, -2.04
CIE LCh	42, 8.296, 194.241
Yxy	12.7189, 0.2856, 0.3313
Android (android.graphics.Color)	4283656295 (0xFF536867)
YUV	97.6070, 2.6587, -12.8103
Hunter-Lab	35.6636, -7.5262, 0.5111

Details

The XYZ color **10.9658, 12.7189, 14.7090** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4029, 9.7701, 9.7256**, and the grayscale version is **11.5080, 12.1073, 13.1849**.

A 20% lighter version of the original color is **27.2269, 30.7623, 35.0746**, and **2.9399, 3.6051, 4.2823** is the 20% darker color. If you saturate the color by 10%, you get **10.0915, 12.2714, 14.5388**, and if you desaturate by 10%, it is **11.9787, 13.2385, 14.8870**.

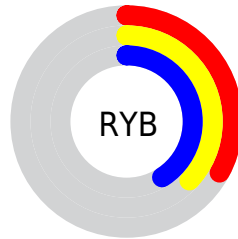
Distribution



Red (33%)

Green (41%)

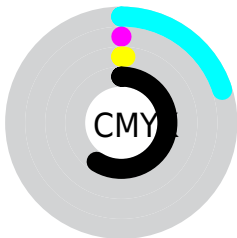
Blue (40%)



Red (33%)

Yellow (37%)

Blue (41%)

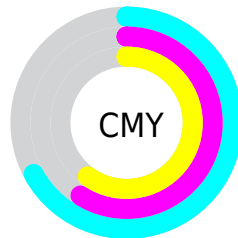


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (59%)



Cyan (67%)

Magenta (59%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9658, 12.7189, 14.7090 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 10.9658, 12.7189, 14.7090 by changing the saturation by 10% instead.

■ 10.9658, 12.7189,
14.7090

■ 10.9658, 12.7189,
14.7090

191.3459,
209.1082, 233.1778

■ 6.1110, 7.2353,
8.4711

■ 27.2304, 30.7978,
35.0769

■ 2.9540, 3.6097,
4.3058

■ 39.3709, 44.1619,
50.0440

■ 1.1295, 1.4577,
1.7945

■ 54.6707, 60.9217,
68.7578

■ 0.0496, 0.2587,
0.4243

■ 73.4951, 81.4614,
91.6370

■ 0.0000, 0.0000,
0.0000

■ 96.2094, 106.1655,
119.1001

123.1791,

135.4184, 151.5655

154.7695,
169.6045, 189.4519

■ 10.9658, 12.7189,
14.7090

■ 10.9658, 12.7189,
14.7090

■ 10.0915, 12.2714,
14.5388

■ 11.9787, 13.2385,
14.8870

■ 9.3485, 11.8912,
14.3752

■ 13.1348, 13.8316,
15.0722

■ 8.7307, 11.5755,
14.2183

■ 14.4399, 14.5015,
15.2652

■ 8.2308, 11.3207,
14.0676

■ 15.8990, 15.2508,
15.4661

■ 7.8412, 11.1226,
13.9229

■ 17.5172, 16.0820,
15.6753

■ 7.5529, 10.9768,
13.7837

■ 19.2990, 16.9976,
15.8929

■ 7.3557, 10.8779,
13.6495

■ 21.2489, 17.9998,
16.1191

■ 7.2047, 10.8027,
13.5206

■ 23.3712, 19.0909,
16.3542

■ 25.6701, 20.2730,
16.5984

Harmonies

Analogous

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



10.9735, 12.7189, 12.9387



10.9658, 12.7189, 14.7090



11.2518, 12.7189, 16.3799

Triad

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



10.9658, 12.7189, 14.7090



12.9431, 12.7189, 16.4518



12.4168, 12.7189, 10.8054

Complementary

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



10.9658, 12.7189, 14.7090



10.4029, 9.7701, 9.7256

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.



12.9666, 12.7189, 11.5927



10.9658, 12.7189, 14.7090



13.2775, 12.7189, 14.8004

Square

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



10.9658, 12.7189, 14.7090



12.3857, 12.7189, 17.4430



13.2862, 12.7189, 13.0227



11.7969, 12.7189, 10.7855

Rectangle

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



10.9658, 12.7189, 14.7090



11.5763, 12.7189, 17.1701



13.2862, 12.7189, 13.0227



12.6164, 12.7189, 10.9859

Sweetspot

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



10.9662, 12.7194, 14.7093



21.7999, 23.6276, 26.2460



10.1727, 12.4128, 10.0437



5.2977, 5.7538, 6.4000



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.



10.9662, 12.7194, 14.7093



18.5211, 21.9467, 25.6694



10.1182, 10.9425, 14.6761



2.8982, 3.1831, 3.5656



8.8776, 13.3147, 16.6488



46.2079, 69.4057, 86.3396

Inverse Universe

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



10.4029, 9.7701, 9.7256



17.3496, 15.8118, 15.3038



11.1370, 11.3006, 9.7782



2.8343, 2.8484, 3.0000



7.0674, 3.6399, 0.4872



36.7675, 18.9470, 2.0529

Previews

White Background



This preview shows how the XYZ color 10.9658, 12.7189, 14.7090 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 10.9658, 12.7189, 14.7090 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

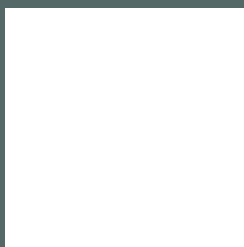
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.9658, 12.7189, 14.7090

Background



This preview shows how black text looks on a background with the XYZ color 10.9658, 12.7189, 14.7090.



This preview shows how white text looks on a background with the XYZ color 10.9658, 12.7189,

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

10.9658, 12.7189, 14.7090

Protanopia

12.1289, 12.6105, 13.8514

Deuteranopia

12.8368, 12.6747, 14.8666



Tritanopia

11.4658, 12.7795, 16.9013

Trichromacy



Original Color

10.9658, 12.7189, 14.7090

Protanomaly

11.6187, 12.6266, 14.1367

Deuteranomaly

12.0929, 12.7105, 14.9127

Tritanomaly

11.2132, 12.6680, 16.0415

Monochromacy



Original Color

10.9658, 12.7189, 14.7090

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3716, 12.3616, 13.8433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9658, 12.7189, 14.7090 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(83, 104, 103) looks like.

```
.text, #text, p{  
  color:rgb(83, 104, 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(83, 104, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 103) }
```

Border

The CSS property to change the border of an element to XYZ 10.9658, 12.7189, 14.7090 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(83, 104, 103) }
```


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

```
.border{ border-color:rgb(83, 104, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 104, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 103);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9658, 12.7189, 14.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 103) }
```

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

```
.background{ background-color: rgb(83, 104,  
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](#).

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