

Converting Colors

XYZ(11.4729, 12.7695, 9.7625)

Have a look what the booklet for
XYZ(11.4729, 12.7695, 9.7625)
contains.

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Color

**XYZ(11.5299, 12.8213,
9.8497)**

Conversions

Conversions Part 1

Format	Color
Hex	646652
RGB	100, 102, 82
RGB Percent	39%, 40%, 32%
CMY	0.6078, 0.6000, 0.6784
CMYK	0.02, 0.00, 0.20, 0.60
HSL	66°, 11%, 36%
HSV	66°, 20%, 40%
XYZ	11.5299, 12.8213, 9.8497
YIQ	99.1220, 5.2280, -6.6440

Conversions

Conversions Part 2

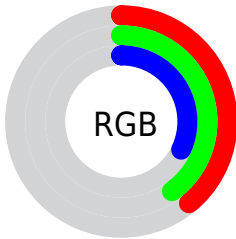
Format	Color
R_{YB}	82, 102, 84
Decimal	6579794
CIE _{Lab}	42.49, -4.61, 11.07
CIE _{LCh}	42, 11.990, 112.613
Yxy	12.8213, 0.3371, 0.3749
Android (android.graphics.Color)	4284769874 (0xFF646652)
YUV	99.1220, -8.4411, 0.7700
Hunter-Lab	35.8068, -5.1845, 8.7554

Details

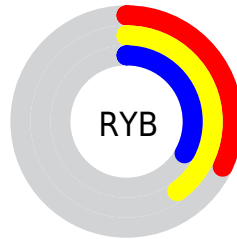
The XYZ color **11.5299, 12.8213, 9.8497** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.0723, 8.8791, 13.8068**, and the grayscale version is **11.9105, 12.5307, 13.6460**.

A 20% lighter version of the original color is **28.2505, 31.0005, 25.9675**, and **3.1683, 3.6228, 2.2826** is the 20% darker color. If you saturate the color by 10%, you get **11.0581, 12.6201, 7.9499**, and if you desaturate by 10%, it is **12.0615, 13.0475, 12.0541**.

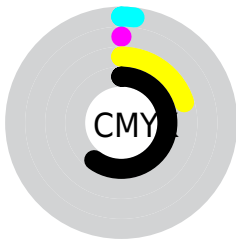
Distribution



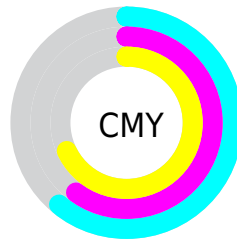
- Red (39%)
- Green (40%)
- Blue (32%)



- Red (32%)
- Yellow (40%)
- Blue (33%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5299, 12.8213, 9.8497 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 11.5299, 12.8213, 9.8497 by changing the saturation by 10% instead.

■ 11.5299, 12.8213,
9.8497

■ 11.5299, 12.8213,
9.8497

195.1019,
209.7692, 200.0417

■ 6.4944, 7.3056,
5.1951

■ 28.2603, 30.9824,
26.1158

■ 3.1914, 3.6540,
2.3015

■ 40.6859, 44.3965,
38.5644

■ 1.2558, 1.4819,
0.7320

■ 56.3055, 61.2123,
54.4481

■ 0.1497, 0.2760,
0.0000

■ 75.4846, 81.8141,
74.1854

■ 0.0000, 0.0000,
0.0000

■ 98.5884, 106.5863,
98.1948

125.9823,

135.9133, 126.8950

158.0317,
170.1794, 160.7044

■ 11.5299, 12.8213,
9.8497

■ 11.5299, 12.8213,
9.8497

■ 11.0581, 12.6201,
7.9499

■ 12.0615, 13.0475,
12.0541

■ 10.6427, 12.4411,
6.3406

■ 12.6542, 13.2979,
14.5748

■ 10.2810, 12.2838,
5.0075

■ 13.3108, 13.5740,
17.4240

■ 9.9703, 12.1470,
3.9353

■ 14.0333, 13.8766,
20.6128

■ 9.7073, 12.0295,
3.1066

■ 14.8237, 14.2066,
24.1520

■ 9.4882, 11.9297,
2.5023

■ 15.6840, 14.5647,
28.0518

■ 9.3089, 11.8460,
2.1004

■ 16.6161, 14.9516,
32.3220

■ 9.1505, 11.7707,
1.8011

■ 17.6218, 15.3682,
36.9720

■ 9.1443, 11.7678,
1.7895

■ 18.7028, 15.8150,
42.0109

Harmonies

Analogous

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



12.4112, 12.8213, 9.5815



11.5299, 12.8213, 9.8497



10.8564, 12.8213, 11.1498

Triad

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



11.5299, 12.8213, 9.8497



11.1608, 12.8213, 18.3021



13.9931, 12.8213, 14.6103

Complementary

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



11.5299, 12.8213, 9.8497



9.0723, 8.8791, 13.8068

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.



13.6206, 12.8213, 17.2072



11.5299, 12.8213, 9.8497



11.9641, 12.8213, 19.5033

Square

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



11.5299, 12.8213, 9.8497



10.6507, 12.8213, 15.9636



12.8671, 12.8213, 19.0797



13.8627, 12.8213, 12.1318

Rectangle

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



11.5299, 12.8213, 9.8497



10.6012, 12.8213, 12.5245



12.8671, 12.8213, 19.0797



13.9219, 12.8213, 15.5017

Sweetspot

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



11.5302, 12.8219, 9.8500



21.4968, 23.0270, 22.5947



10.1733, 9.7750, 9.3334



5.0616, 5.4282, 5.2895



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.5302, 12.8219, 9.8500



19.7871, 22.3005, 15.5160



10.4913, 12.2863, 9.8014



3.0147, 3.2547, 3.0438



11.7257, 15.1035, 2.2973



60.7385, 78.5578, 11.9619

Inverse Universe

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



9.0723, 8.8791, 13.8068



14.5426, 13.8871, 23.9597



10.0321, 9.3739, 13.8517



2.7159, 2.7756, 3.5246



3.2247, 1.3066, 16.2266



16.4474, 6.6232, 84.6129

Previews

White Background



This preview shows how the XYZ color 11.5299, 12.8213, 9.8497 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 11.5299, 12.8213, 9.8497 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 11.5299, 12.8213, 9.8497

Background



This preview shows how black text looks on a background with the XYZ color 11.5299, 12.8213, 9.8497.

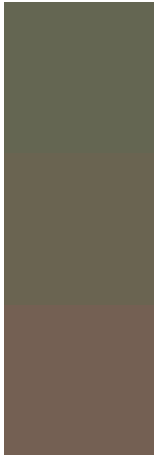


This preview shows how white text looks on a background with the XYZ color 11.5299, 12.8213,

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

11.5299, 12.8213, 9.8497

Protanopia

11.9862, 12.7726, 9.6182

Deuteranopia

12.9467, 12.7033, 9.9532



Tritanopia

12.6569, 12.8479, 15.4485

Trichromacy



Original Color

11.5299, 12.8213, 9.8497

Protanomaly

11.8478, 12.8445, 9.6394

Deuteranomaly

12.3594, 12.6749, 9.9787

Tritanomaly

12.1943, 12.8022, 13.1376

Monochromacy



Original Color

11.5299, 12.8213, 9.8497

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6785, 12.5573, 12.1642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5299, 12.8213, 9.8497 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(100, 102, 82)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 82)  
}
```

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(100, 102, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 82) }
```

Border

The CSS property to change the border of an element to XYZ 11.5299, 12.8213, 9.8497 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(100, 102, 82) }
```


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

```
.border{ border-color:rgb(100, 102, 82) }
```

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

Here you see how a box with a 4 pixel rgb(100, 102, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 82);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5299, 12.8213, 9.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 82) }
```

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

```
.background{ background-color: rgb(100,  
102, 82) }
```

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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