

Converting Colors

XYZ(12.6459, 13.2457, 2.9691)

Have a look what the booklet for
XYZ(12.6459, 13.2457, 2.9691)
contains.

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Color

**XYZ(12.6519, 13.2631,
2.9918)**

Conversions

Conversions Part 1

Format	Color
Hex	79641C
RGB	121, 100, 28
RGB Percent	47%, 39%, 11%
CMY	0.5255, 0.6078, 0.8902
CMYK	0.00, 0.17, 0.77, 0.53
HSL	46°, 62%, 29%
HSV	46°, 77%, 47%
XYZ	12.6519, 13.2631, 2.9918
YIQ	98.0710, 35.6280, -17.9400

Conversions

Conversions Part 2

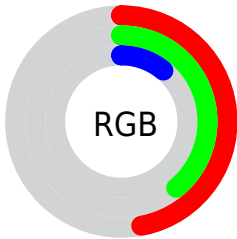
Format	Color
R_{YB}	55, 121, 28
Decimal	7955484
CIE Lab	43.16, 0.31, 41.64
CIE LCh	43, 41.645, 89.576
Yxy	13.2631, 0.4377, 0.4588
Android (android.graphics.Color)	4286145564 (0xFF79641C)
YUV	98.0710, -34.5450, 20.1087
Hunter-Lab	36.4185, -1.7211, 20.6223

Details

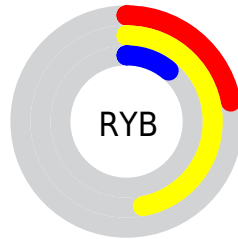
The XYZ color **12.6519, 13.2631, 2.9918** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.0284, 3.8239, 18.5621**, and the grayscale version is **11.7045, 12.3141, 13.4100**.

A 20% lighter version of the original color is **30.3107, 31.8991, 11.5808**, and **3.7734, 3.9035, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **12.2777, 12.7017, 2.2910**, and if you desaturate by 10%, it is **13.0938, 13.8667, 4.0030**.

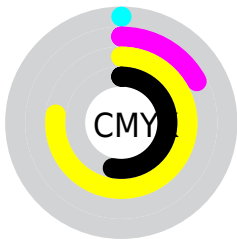
Distribution



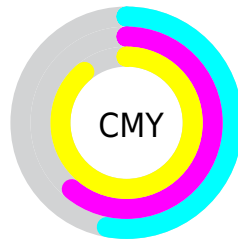
- Red (47%)
- Green (39%)
- Blue (11%)



- Red (22%)
- Yellow (47%)
- Blue (11%)



- Cyan (0%)
- Magenta (17%)
- Yellow (77%)
- Black (53%)



- Cyan (53%)
- Magenta (61%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6519, 13.2631, 2.9918 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 12.6519, 13.2631, 2.9918 by changing the saturation by 10% instead.

■ 12.6519, 13.2631,
2.9918

■ 12.6519, 13.2631,
2.9918

202.3575,
212.5970, 136.2561

■ 7.2646, 7.6100,
1.0904

■ 30.2836, 31.7757,
11.6082

■ 3.6759, 3.8464,
0.0000

■ 43.2588, 45.4039,
19.1603

■ 1.5205, 1.5880,
0.0000

■ 59.4940, 62.4592,
29.4331

■ 0.3397, 0.3495,
0.0000

■ 79.3546, 83.3261,
42.8451

■ 0.0000, 0.0000,
0.0000

■ 103.2058,
108.3889, 59.8149

■ 131.4132,

138.0321, 80.7610

164.3420,
172.6400, 106.1018

12.6519, 13.2631,
2.9918

12.6519, 13.2631,
2.9918

12.2777, 12.7017,
2.2910

13.0938, 13.8667,
4.0030

11.9568, 12.1750,
1.8290

13.6088, 14.5132,
5.3568

11.8595, 12.0137,
1.6938

14.2027, 15.2056,
7.0821

14.8805, 15.9461,
9.2046

15.6467, 16.7365,
11.7477

■ 16.5055, 17.5786,
14.7330

■ 17.4608, 18.4742,
18.1805

■ 18.5162, 19.4247,
22.1092

■ 19.6752, 20.4318,
26.5367

Harmonies

Analogous

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



15.9997, 13.2631, 3.9280



12.6519, 13.2631, 2.9918



9.7967, 13.2631, 3.8733

Triad

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



12.6519, 13.2631, 2.9918



7.9613, 13.2631, 25.0501



18.7175, 13.2631, 25.3786

Complementary

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



12.6519, 13.2631, 2.9918



5.0284, 3.8239, 18.5621

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.



15.9072, 13.2631, 35.9350



12.6519, 13.2631, 2.9918



9.7300, 13.2631, 35.6954

Square

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



12.6519, 13.2631, 2.9918



7.3836, 13.2631, 14.3109



12.5606, 13.2631, 40.3349



19.8462, 13.2631, 14.5724

Rectangle

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



12.6519, 13.2631, 2.9918



8.4645, 13.2631, 5.7398



12.5606, 13.2631, 40.3349



17.9170, 13.2631, 29.2163

Sweetspot

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



12.6522, 13.2637, 2.9921



28.5056, 30.4556, 22.7031



8.8697, 5.1232, 3.5054



6.4173, 6.8636, 4.8465



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6522, 13.2637, 2.9921



21.5573, 22.0408, 3.4871



11.8919, 16.2561, 3.6097



4.2347, 4.4878, 4.2675



12.7008, 12.8576, 1.8124



59.9250, 60.0135, 8.4254

Inverse Universe

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



5.0284, 3.8239, 18.5621



7.2981, 4.4691, 32.8709



5.3242, 2.9626, 18.3802



3.8643, 4.0269, 5.0168



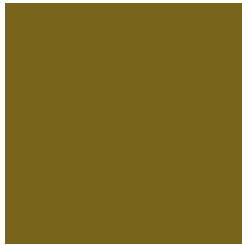
4.1187, 2.3199, 19.6160



19.1050, 9.9827, 93.3897

Previews

White Background



This preview shows how the XYZ color 12.6519, 13.2631, 2.9918 looks on a white background.

Color Contrast Check

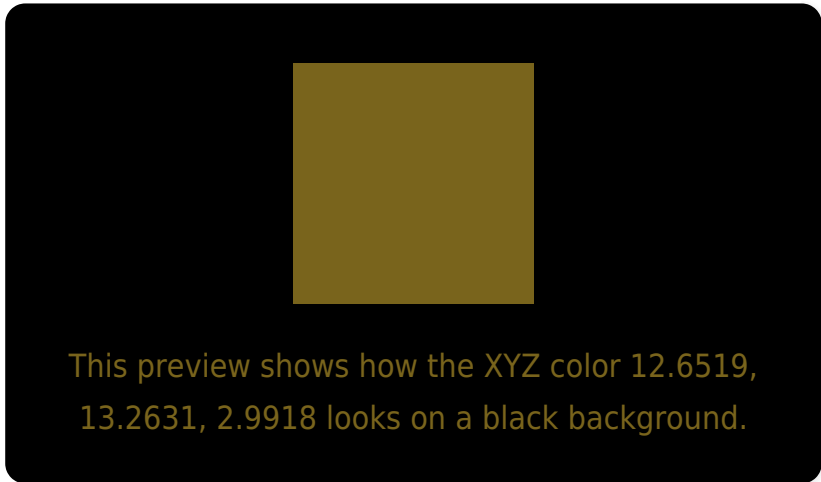
Large Text (above 18pt) WCAG AA ✓ Pass

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

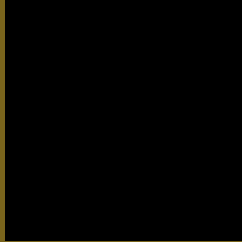
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6519, 13.2631, 2.9918

Background



This preview shows how black text looks on a background with the XYZ color 12.6519, 13.2631, 2.9918.



This preview shows how white text looks on a background with the XYZ color 12.6519, 13.2631,

2.9918.

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

12.6519, 13.2631, 2.9918

Protanopia

12.0434, 13.2363, 3.0825

Deuteranopia

13.3986, 13.2273, 3.0093



Tritanopia

14.8675, 13.2039, 14.0769

Trichromacy



Original Color

12.6519, 13.2631, 2.9918

Protanomaly

12.2116, 13.1780, 3.0624

Deuteranomaly

13.0469, 13.1840, 3.0195

Tritanomaly

13.7311, 13.1452, 8.2921

Monochromacy



Original Color

12.6519, 13.2631, 2.9918

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6083, 12.4689, 8.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6519, 13.2631, 2.9918 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(121, 100, 28)` looks like.

```
.text, #text, p{  
    color:rgb(121, 100, 28)  
}
```

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(121, 100, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 100, 28) }
```

Border

The CSS property to change the border of an element to XYZ 12.6519, 13.2631, 2.9918 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(121, 100, 28) }
```


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

```
.border{ border-color:rgb(121, 100, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 100, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 100, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 100, 28);  
box-shadow:4px 4px 4px 4px rgb(121, 100,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6519, 13.2631, 2.9918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 100, 28) }
```

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

```
.background{ background-color: rgb(121,  
100, 28) }
```

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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