

Converting Colors

XYZ(12.6295, 12.9034, 2.1843)

Have a look what the booklet for
XYZ(12.6295, 12.9034, 2.1843)
contains.

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Color

**XYZ(12.6532, 12.8610,
2.1634)**

Conversions

Conversions Part 1

Format	Color
Hex	7C610C
RGB	124, 97, 12
RGB Percent	49%, 38%, 5%
CMY	0.5137, 0.6196, 0.9529
CMYK	0.00, 0.22, 0.90, 0.51
HSL	46°, 82%, 27%
HSV	46°, 90%, 49%
XYZ	12.6532, 12.8610, 2.1634
YIQ	95.3830, 43.3770, -20.7110

Conversions

Conversions Part 2

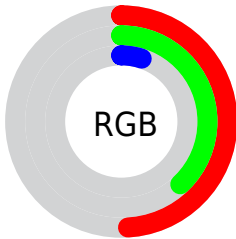
Format	Color
R _Y B	48, 124, 12
Decimal	8151308
CIE Lab	42.55, 2.92, 46.78
CIE LCh	43, 46.875, 86.429
Yxy	12.8610, 0.4572, 0.4647
Android (android.graphics.Color)	4286341388 (0xFF7C610C)
YUV	95.3830, -41.1078, 25.0971
Hunter-Lab	35.8622, 0.2209, 21.5269

Details

The XYZ color **12.6532, 12.8610, 2.1634** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5153, 2.9846, 19.4066**, and the grayscale version is **11.0581, 11.6340, 12.6694**.

A 20% lighter version of the original color is **30.2395, 30.9641, 9.5371**, and **3.7824, 3.7072, 0.5162** is the 20% darker color. If you saturate the color by 10%, you get **12.3245, 12.3099, 1.7265**, and if you desaturate by 10%, it is **13.0376, 13.4656, 2.7984**.

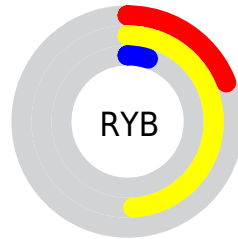
Distribution



Red (49%)

Green (38%)

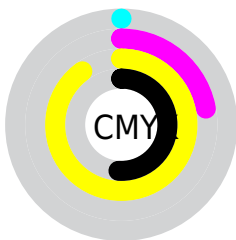
Blue (5%)



Red (19%)

Yellow (49%)

Blue (5%)

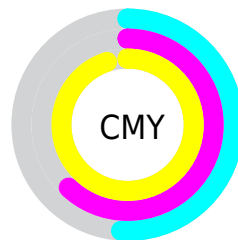


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (51%)



Cyan (51%)

Magenta (62%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6532, 12.8610, 2.1634 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 12.6532, 12.8610, 2.1634 by changing the saturation by 10% instead.

■ 12.6532, 12.8610,
2.1634

■ 12.6532, 12.8610,
2.1634

202.3658,
210.0249, 124.8646

■ 7.2655, 7.3329,
0.6531

■ 30.2860, 31.0538,
9.4829

■ 3.6765, 3.6712,
0.0000

■ 43.2618, 44.4874,
16.1615

■ 1.5208, 1.4914,
0.0000

■ 59.4977, 61.3248,
25.4107

■ 0.3399, 0.2826,
0.0000


■ 79.3590, 81.9506,
37.6490


■ 0.0000, 0.0000,
0.0000


■ 103.2111,
106.7491, 53.2950


■ 131.4194,


136.1047, 72.7672


 164.3492,
170.4019, 96.4843


 12.6532, 12.8610,
2.1634


 12.6532, 12.8610,
2.1634


 12.3245, 12.3099,
1.7265

 13.0376, 13.4656,
2.7984

 13.4914, 14.1142,
3.7476

 14.0218, 14.8105,
5.0482

 14.6351, 15.5571,
6.7324

 15.3368, 16.3565,
8.8283

■ 16.1318, 17.2107,
11.3618

■ 17.0247, 18.1217,
14.3562

■ 18.0197, 19.0914,
17.8336

■ 19.1209, 20.1216,
21.8142

Harmonies

Analogous

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



16.3904, 12.8610, 3.2277



12.6532, 12.8610, 2.1634



9.4362, 12.8610, 2.7921

Triad

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



12.6532, 12.8610, 2.1634



7.0829, 12.8610, 24.6032



18.8224, 12.8610, 27.7966

Complementary

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



12.6532, 12.8610, 2.1634



4.5153, 2.9846, 19.4066

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.



15.5130, 12.8610, 39.7408



12.6532, 12.8610, 2.1634



8.8312, 12.8610, 37.3546

Square

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



12.6532, 12.8610, 2.1634



6.6084, 12.8610, 12.8231



11.8046, 12.8610, 43.8876



20.3598, 12.8610, 15.2540

Rectangle

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



12.6532, 12.8610, 2.1634



7.9235, 12.8610, 4.4024



11.8046, 12.8610, 43.8876



17.8525, 12.8610, 32.2102

Sweetspot

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



12.6535, 12.8616, 2.1637



28.7920, 30.7064, 21.3238



8.8267, 4.7013, 2.4501



6.6832, 7.1302, 4.7001



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6535, 12.8616, 2.1637



21.5779, 21.4416, 3.0014



12.0979, 16.9285, 2.9779



4.2298, 4.4780, 4.2659



12.5272, 12.5102, 1.7545



59.0694, 58.3023, 8.1402

Inverse Universe

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



4.5153, 2.9846, 19.4066



7.1187, 3.9939, 33.9523



4.6448, 2.1695, 19.2425



3.8689, 4.0360, 5.0183



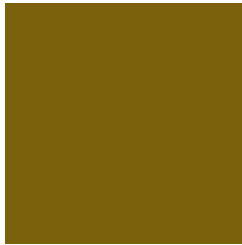
4.1658, 2.4140, 19.6317



19.3030, 10.3786, 93.4557

Previews

White Background



This preview shows how the XYZ color 12.6532, 12.8610, 2.1634 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 12.6532, 12.8610, 2.1634 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 12.6532, 12.8610, 2.1634

Background



This preview shows how black text looks on a background with the XYZ color 12.6532, 12.8610, 2.1634.



This preview shows how white text looks on a background with the XYZ color 12.6532, 12.8610,

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

12.6532, 12.8610, 2.1634

Protanopia

11.6658, 12.9138, 2.2585

Deuteranopia

13.0079, 12.9068, 2.1864



Tritanopia

14.8671, 12.8425, 13.0045

Trichromacy



Original Color

12.6532, 12.8610, 2.1634

Protanomaly

12.1010, 12.9950, 2.2513

Deuteranomaly

12.8597, 12.8304, 2.1795

Tritanomaly

13.6501, 12.7341, 6.8927

Monochromacy



Original Color

12.6532, 12.8610, 2.1634

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0809, 11.8116, 6.6969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6532, 12.8610, 2.1634 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(124, 97, 12)` looks like.

```
.text, #text, p{  
    color:rgb(124, 97, 12)  
}
```

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(124, 97, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 97, 12) }
```

Border

The CSS property to change the border of an element to XYZ 12.6532, 12.8610, 2.1634 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(124, 97, 12) }
```


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

```
.border{ border-color:rgb(124, 97, 12) }
```

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

Here you see how a box with a 4 pixel rgb(124, 97, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 97, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 97, 12);  
box-shadow:4px 4px 4px 4px rgb(124, 97,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6532, 12.8610, 2.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 97, 12) }
```

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

```
.background{ background-color: rgb(124, 97,  
12) }
```

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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