

Converting Colors

XYZ(12.8522, 15.0972, 12.2359)

Have a look what the booklet for
XYZ(12.8522, 15.0972, 12.2359)
contains.

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Color

**XYZ(12.8305, 15.1623,
12.1479)**

Conversions

Conversions Part 1

Format	Color
Hex	62715B
RGB	98, 113, 91
RGB Percent	38%, 44%, 36%
CMY	0.6157, 0.5569, 0.6431
CMYK	0.13, 0.00, 0.19, 0.56
HSL	101°, 11%, 40%
HSV	101°, 19%, 44%
XYZ	12.8305, 15.1623, 12.1479
YIQ	106.0070, -1.8780, -10.0220

Conversions

Conversions Part 2

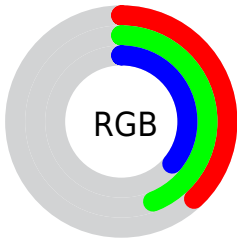
Format	Color
R_{YB}	91, 113, 106
Decimal	6451547
CIE _{Lab}	45.86, -10.13, 10.37
CIE _{LCh}	46, 14.493, 134.336
Yxy	15.1623, 0.3196, 0.3777
Android (android.graphics.Color)	4284641627 (0xFF62715B)
YUV	106.0070, -7.3985, -7.0221
Hunter-Lab	38.9388, -9.3264, 8.7602

Details

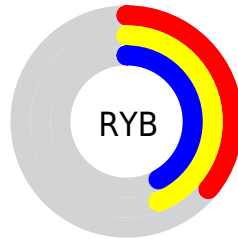
The XYZ color **12.8305, 15.1623, 12.1479** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6662, 11.7390, 17.2219**, and the grayscale version is **13.7219, 14.4365, 15.7213**.

A 20% lighter version of the original color is **30.6573, 35.2229, 30.3822**, and **3.7292, 4.6739, 3.1882** is the 20% darker color. If you saturate the color by 10%, you get **11.5876, 14.5742, 9.7339**, and if you desaturate by 10%, it is **14.2277, 15.8224, 14.9530**.

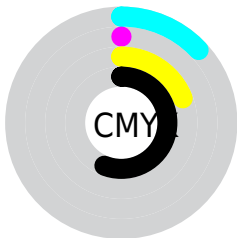
Distribution



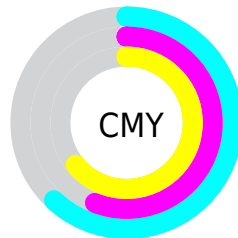
- Red (38%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8305, 15.1623, 12.1479 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 12.8305, 15.1623, 12.1479 by changing the saturation by 10% instead.

■ 12.8305, 15.1623,
12.1479

■ 12.8305, 15.1623,
12.1479

203.4881,
224.3465, 216.3945

■ 7.3881, 8.9334,
6.7207

■ 30.6028, 35.1377,
30.4326

■ 3.7545, 4.6977,
3.2123

■ 43.6635, 49.6529,
44.1272

■ 1.5642, 2.0710,
1.2040

■ 59.9944, 67.6990,
61.4147

■ 0.3689, 0.6483,
0.0000

■ 79.9607, 89.6603,
82.7137

■ 0.0000, 0.0000,
0.0000

103.9279,
115.9214, 108.4426

132.2613,

146.8665, 139.0200

165.3262,
182.8801, 174.8645

■ 12.8305, 15.1623,
12.1479

■ 12.8305, 15.1623,
12.1479

■ 11.5876, 14.5742,
9.7339

■ 14.2277, 15.8224,
14.9530

■ 10.4924, 14.0536,
7.6927

■ 15.7831, 16.5548,
18.1645

■ 9.5392, 13.5985,
6.0060

■ 17.5023, 17.3624,
21.7980

■ 8.7218, 13.2062,
4.6535

■ 19.3899, 18.2474,
25.8681

■ 8.0334, 12.8737,
3.6129

■ 21.4505, 19.2117,
30.3886

■ 7.4665, 12.5975,
2.8592

■ 23.6884, 20.2574,
35.3727

■ 7.0127, 12.3741,
2.3634

■ 26.1079, 21.3864,
40.8332

■ 6.6489, 12.1938,
2.0204

■ 28.7131, 22.6004,
46.7823

■ 6.6313, 12.1851,
2.0025

■ 31.5078, 23.9013,
53.2316

Harmonies

Analogous

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



13.8372, 15.1623, 10.8091



12.8305, 15.1623, 12.1479



12.2648, 15.1623, 14.7578

Triad

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



12.8305, 15.1623, 12.1479



13.7861, 15.1623, 23.8747



16.8103, 15.1623, 14.8981

Complementary

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



12.8305, 15.1623, 12.1479



12.6662, 11.7390, 17.2219

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.



16.7946, 15.1623, 18.3938



12.8305, 15.1623, 12.1479



15.0011, 15.1623, 23.9264

Square

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



12.8305, 15.1623, 12.1479



12.7949, 15.1623, 21.6738



16.1169, 15.1623, 21.8063



16.1584, 15.1623, 12.2380

Rectangle

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



12.8305, 15.1623, 12.1479



12.1927, 15.1623, 17.0233



16.1169, 15.1623, 21.8063



16.8840, 15.1623, 16.0055

Sweetspot

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



12.8309, 15.1630, 12.1482



26.3658, 28.7507, 28.5959



13.8188, 14.5062, 11.9694



6.0688, 6.6355, 6.5544



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.



12.8309, 15.1630, 12.1482



22.0193, 26.6985, 19.8775



12.2704, 14.8553, 12.9681



3.4357, 3.8100, 3.6277



7.5026, 13.8114, 2.2704



36.5669, 68.3850, 11.2723

Inverse Universe

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



12.6662, 11.7390, 17.2219



21.6708, 19.4681, 30.5910



13.3300, 12.1046, 16.1968



3.4162, 3.4029, 4.2310



6.8364, 3.1337, 17.9662



33.1311, 15.1341, 89.4541

Previews

White Background



This preview shows how the XYZ color 12.8305, 15.1623, 12.1479 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 12.8305, 15.1623, 12.1479 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

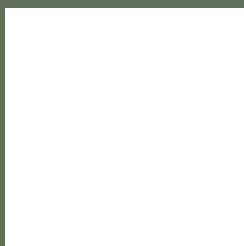
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8305, 15.1623, 12.1479

Background



This preview shows how black text looks on a background with the XYZ color 12.8305, 15.1623, 12.1479.



This preview shows how white text looks on a background with the XYZ color 12.8305, 15.1623,

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

12.8305, 15.1623, 12.1479

Protanopia

14.2360, 15.0912, 11.6138

Deuteranopia

15.2383, 14.9760, 12.4434



Tritanopia

14.2181, 15.0701, 19.2990

Trichromacy



Original Color

12.8305, 15.1623, 12.1479

Protanomaly

13.7281, 15.1413, 11.8719

Deuteranomaly

14.2597, 14.9329, 12.2560

Tritanomaly

13.6495, 15.0013, 16.3635

Monochromacy



Original Color

12.8305, 15.1623, 12.1479

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4111, 14.7604, 14.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8305, 15.1623, 12.1479 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(98, 113, 91) looks like.

```
.text, #text, p{  
    color:rgb(98, 113, 91)  
}
```

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(98, 113, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 113, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.8305, 15.1623, 12.1479 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(98, 113, 91) }
```


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

```
.border{ border-color:rgb(98, 113, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 113, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 113, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 113, 91);  
box-shadow:4px 4px 4px 4px rgb(98, 113,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8305, 15.1623, 12.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 113, 91) }
```

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

```
.background{ background-color: rgb(98, 113,  
91) }
```

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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