

Converting Colors

XYZ(12.5934, 13.3815, 10.1349)

Have a look what the booklet for
XYZ(12.5934, 13.3815, 10.1349)
contains.

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Color

**XYZ(12.6194, 13.3785,
10.1008)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6653
RGB	109, 102, 83
RGB Percent	43%, 40%, 33%
CMY	0.5725, 0.6000, 0.6745
CMYK	0.00, 0.06, 0.24, 0.57
HSL	44°, 14%, 38%
HSV	44°, 24%, 43%
XYZ	12.6194, 13.3785, 10.1008
YIQ	101.9270, 10.2710, -4.4250

Conversions

Conversions Part 2

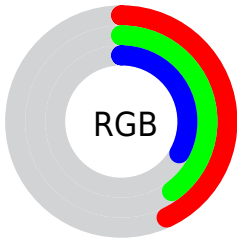
Format	Color
RYB	93, 109, 83
Decimal	7169619
CIELab	43.33, -0.65, 11.75
CIELCh	43, 11.770, 93.157
Yxy	13.3785, 0.3496, 0.3706
Android (android.graphics.Color)	4285359699 (0xFF6D6653)
YUV	101.9270, -9.3310, 6.2030
Hunter-Lab	36.5766, -2.4244, 9.2304

Details

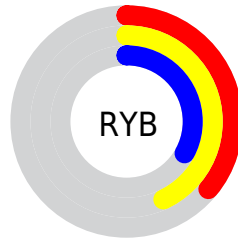
The XYZ color **12.6194, 13.3785, 10.1008** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.9837, 10.2552, 15.9214**, and the grayscale version is **12.6323, 13.2901, 14.4729**.

A 20% lighter version of the original color is **30.3228, 32.0530, 26.7790**, and **3.6405, 3.8644, 2.3878** is the 20% darker color. If you saturate the color by 10%, you get **11.9481, 12.6573, 7.9615**, and if you desaturate by 10%, it is **13.3678, 14.1478, 12.5926**.

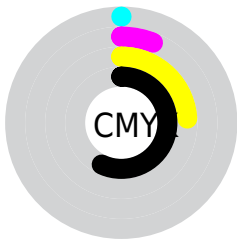
Distribution



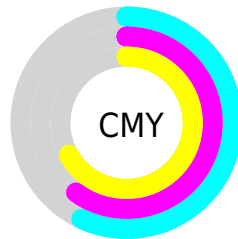
- Red (43%)
- Green (40%)
- Blue (33%)



- Red (36%)
- Yellow (43%)
- Blue (33%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6194, 13.3785, 10.1008 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 12.6194, 13.3785, 10.1008 by changing the saturation by 10% instead.

■ 12.6194, 13.3785,
10.1008

■ 12.6194, 13.3785,
10.1008

202.1511,
213.3294, 201.9009

■ 7.2422, 7.6897,
5.3594

■ 30.2255, 31.9821,
26.5957

■ 3.6617, 3.8970,
2.3972

■ 43.1850, 45.6657,
39.1862

■ 1.5126, 1.6161,
0.7849

■ 59.4028, 62.7831,
55.2302

■ 0.3344, 0.3684,
0.0000

■ 79.2440, 83.7185,
75.1462

■ 0.0000, 0.0000,
0.0000

■ 103.0741,
108.8565, 99.3527

131.2584,

138.5813, 128.2683

164.1623,
173.2775, 162.3115

■ 12.6194, 13.3785,
10.1008

■ 12.6194, 13.3785,
10.1008

■ 11.9481, 12.6573,
7.9615

■ 13.3678, 14.1478,
12.5926

■ 11.3497, 11.9808,
6.1576

■ 14.1952, 14.9648,
15.4514

■ 10.8211, 11.3484,
4.6719

■ 15.1048, 15.8313,
18.6916

■ 10.3585, 10.7581,
3.4850

■ 16.0993, 16.7486,
22.3269

■ 9.9577, 10.2082,
2.5758

■ 17.1811, 17.7178,
26.3701

■ 9.6142, 9.6967,
1.9202

■ 18.3529, 18.7401,
30.8336

■ 9.3207, 9.2205,
1.4809

■ 19.6167, 19.8165,
35.7291

■ 9.1509, 8.9395,
1.2432

■ 20.9750, 20.9481,
41.0680

■ 22.4298, 22.1359,
46.8610

Harmonies

Analogous

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



13.5253, 13.3785, 10.5251



12.6194, 13.3785, 10.1008



11.7795, 13.3785, 10.7497

Triad

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



12.6194, 13.3785, 10.1008



11.3019, 13.3785, 17.4939



14.3477, 13.3785, 16.9575

Complementary

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



12.6194, 13.3785, 10.1008



9.9837, 10.2552, 15.9214

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.



13.7006, 13.3785, 19.1952



12.6194, 13.3785, 10.1008



11.9394, 13.3785, 19.5300

Square

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



12.6194, 13.3785, 10.1008



11.0421, 13.3785, 14.8456



12.8128, 13.3785, 20.1867



14.5508, 13.3785, 14.2917

Rectangle

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



12.6194, 13.3785, 10.1008



11.3618, 13.3785, 11.7550



12.8128, 13.3785, 20.1867



14.1734, 13.3785, 17.7949

Sweetspot

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



12.6198, 13.3791, 10.1011



24.9073, 26.2981, 25.8827



11.2612, 10.1823, 11.1269



5.7837, 6.1076, 5.9802



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6198, 13.3791, 10.1011



21.8656, 23.1780, 15.7332



12.6658, 14.4672, 10.3087



3.2677, 3.4526, 3.3116



10.6828, 10.4153, 1.4473



53.6895, 51.5826, 7.1267

Inverse Universe

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



9.9837, 10.2552, 15.9214



16.2064, 16.4727, 28.2326



9.9385, 9.3966, 15.7580



3.0086, 3.1455, 3.8834



3.7336, 2.3014, 17.1697



18.3924, 10.4634, 87.2765

Previews

White Background



This preview shows how the XYZ color 12.6194, 13.3785, 10.1008 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 12.6194, 13.3785, 10.1008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

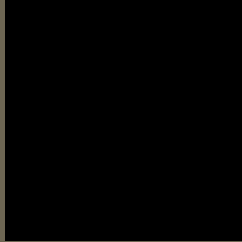
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6194, 13.3785, 10.1008

Background



This preview shows how black text looks on a background with the XYZ color 12.6194, 13.3785, 10.1008.



This preview shows how white text looks on a background with the XYZ color 12.6194, 13.3785,

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

12.6194, 13.3785, 10.1008

Protanopia

12.4970, 13.3154, 10.0951

Deuteranopia

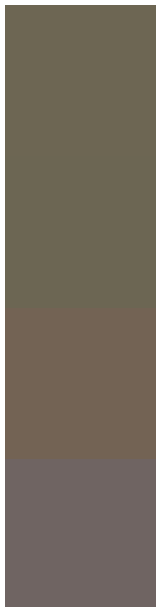
13.5757, 13.2974, 10.2386



Tritanopia

13.7455, 13.4090, 15.4994

Trichromacy



Original Color

12.6194, 13.3785, 10.1008

Protanomaly

12.4970, 13.3154, 10.0951

Deuteranomaly

13.1323, 13.2086, 10.2449

Tritanomaly

13.3173, 13.3757, 13.4351

Monochromacy



Original Color

12.6194, 13.3785, 10.1008

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6426, 13.3322, 12.7335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6194, 13.3785, 10.1008 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(109, 102, 83)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 83)  
}
```

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(109, 102, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.6194, 13.3785, 10.1008 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(109, 102, 83) }
```


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

```
.border{ border-color:rgb(109, 102, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 102, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 83);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6194, 13.3785, 10.1008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 102, 83) }
```

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

```
.background{ background-color: rgb(109,  
102, 83) }
```

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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