

Converting Colors

XYZ(15.9051, 14.6780, 20.6457)

Have a look what the booklet for
XYZ(15.9051, 14.6780, 20.6457)
contains.

XYZ(15.9746, 14.7305, 20.7402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9746, 14.7305,
20.7402)**

Conversions

Conversions Part 1

Format	Color
Hex	78657B
RGB	120, 101, 123
RGB Percent	47%, 40%, 48%
CMY	0.5294, 0.6039, 0.5176
CMYK	0.02, 0.18, 0.00, 0.52
HSL	292°, 10%, 44%
HSV	292°, 18%, 48%
XYZ	15.9746, 14.7305, 20.7402
YIQ	109.1890, 4.2620, 10.8700

Conversions

Conversions Part 2

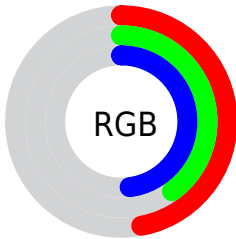
Format	Color
R_{YB}	120, 101, 123
Decimal	7890299
CIE _{Lab}	45.26, 11.87, -9.45
CIE _{LCh}	45, 15.170, 321.471
Yxy	14.7305, 0.3105, 0.2863
Android (android.graphics.Color)	4286080379 (0xFF78657B)
YUV	109.1890, 6.8088, 9.4812
Hunter-Lab	38.3803, 7.1294, -5.1733

Details

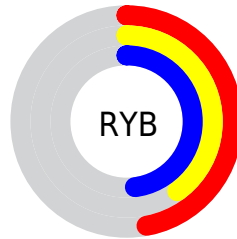
The XYZ color **15.9746, 14.7305, 20.7402** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1413, 18.0489, 14.9984**, and the grayscale version is **14.5703, 15.3291, 16.6933**.

A 20% lighter version of the original color is **35.9794, 34.3223, 45.2860**, and **5.1537, 4.4723, 7.0702** is the 20% darker color. If you saturate the color by 10%, you get **14.6382, 12.3997, 20.3610**, and if you desaturate by 10%, it is **17.4947, 17.4222, 21.1798**.

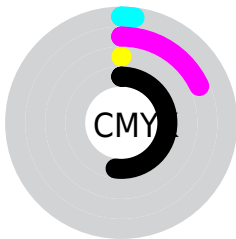
Distribution



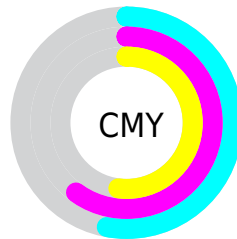
- Red (47%)
- Green (40%)
- Blue (48%)



- Red (47%)
- Yellow (40%)
- Blue (48%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (52%)



- Cyan (53%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9746, 14.7305, 20.7402 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 15.9746, 14.7305, 20.7402 by changing the saturation by 10% instead.

■ 15.9746, 14.7305,
20.7402

■ 15.9746, 14.7305,
20.7402

222.4651,
221.7292, 268.6301

■ 9.5969, 8.6305,
12.7448

■ 36.1119, 34.3797,
45.5299

■ 5.1927, 4.5009,
7.1244

■ 50.6022, 48.6977,
63.1614

■ 2.3967, 1.9575,
3.4604

■ 68.5275, 66.5237,
84.8419

■ 0.8435, 0.5826,
1.3343

■ 90.2530, 88.2422,
110.9901

■ 0.0000, 0.0000,
0.0896

116.1442,
114.2377, 142.0245

■ 0.0000, 0.0000,
0.0000

146.5664,

144.8944, 178.3636

181.8849,
180.5967, 220.4259

■ 15.9746, 14.7305,
20.7402

■ 15.9746, 14.7305,
20.7402

■ 14.6382, 12.3997,
20.3610

■ 17.4947, 17.4222,
21.1798

■ 13.4762, 10.4121,
20.0386

■ 19.2047, 20.4876,
21.6814

■ 12.4807, 8.7513,
19.7705

■ 21.1120, 23.9416,
22.2476

■ 11.6422, 7.3986,
19.5536

■ 23.2232, 27.7974,
22.8805

■ 10.9506, 6.3339,
19.3845

■ 25.5447, 32.0676,
23.5824

■ 10.3946, 5.5343,
19.2595

■ 28.0826, 36.7643,
24.3552

■ 9.9608, 4.9735,
19.1741

■ 30.8427, 41.8992,
25.2009

■ 9.6170, 4.5867,
19.1175

■ 33.8305, 47.4834,
26.1213

■ 9.5464, 4.5083,
19.1061

■ 37.0516, 53.5277,
27.1182

Harmonies

Analogous

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



14.9028, 14.7305, 23.3677



15.9746, 14.7305, 20.7402



16.5253, 14.7305, 17.0859

Triad

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



15.9746, 14.7305, 20.7402



14.3618, 14.7305, 10.1297



11.8733, 14.7305, 18.7037

Complementary

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



15.9746, 14.7305, 20.7402



15.1413, 18.0489, 14.9984

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.



11.7477, 14.7305, 15.0358



15.9746, 14.7305, 20.7402



13.1362, 14.7305, 10.4293

Square

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



15.9746, 14.7305, 20.7402



15.5584, 14.7305, 11.2177



12.1969, 14.7305, 12.1080



12.5510, 14.7305, 22.0751

Rectangle

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



15.9746, 14.7305, 20.7402



16.5013, 14.7305, 14.7036



12.1969, 14.7305, 12.1080



11.7668, 14.7305, 17.4529

Sweetspot

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



15.9750, 14.7311, 20.7405



32.1393, 32.6461, 38.1640



13.9231, 14.1586, 20.7382



7.5286, 7.6159, 8.9763



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.



15.9750, 14.7311, 20.7405



27.7004, 24.7902, 36.8816



15.9343, 14.7637, 18.3206



4.1033, 4.0511, 5.0089



9.8723, 4.6621, 19.7648



46.5641, 21.9667, 94.2556

Inverse Universe

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



15.3212, 14.5184, 15.0921



26.3373, 24.3498, 24.9675



15.1945, 18.0307, 17.0635



4.0185, 4.0231, 4.2952



8.5516, 4.3968, 0.9298



40.6029, 20.8975, 3.4390

Previews

White Background



This preview shows how the XYZ color 15.9746, 14.7305, 20.7402 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 15.9746, 14.7305, 20.7402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

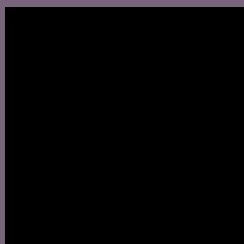
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9746, 14.7305, 20.7402

Background



This preview shows how black text looks on a background with the XYZ color 15.9746, 14.7305, 20.7402.



This preview shows how white text looks on a background with the XYZ color 15.9746, 14.7305,

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

15.9746, 14.7305, 20.7402

Protanopia

14.5783, 14.7239, 22.1523

Deuteranopia

15.1200, 14.8878, 20.4891



Tritanopia

15.1907, 14.6997, 17.0756

Trichromacy



Original Color

15.9746, 14.7305, 20.7402

Protanomaly

15.0229, 14.6582, 21.7762

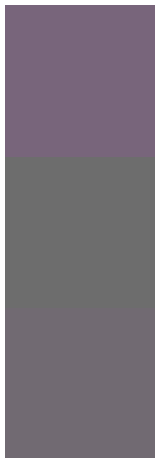
Deuteranomaly

15.4026, 14.8832, 20.4733

Tritanomaly

15.4536, 14.6625, 18.2353

Monochromacy



Original Color

15.9746, 14.7305, 20.7402

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0013, 15.0337, 18.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9746, 14.7305, 20.7402 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(120, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 101, 123)  
}
```

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(120, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 101, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.9746, 14.7305, 20.7402 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(120, 101, 123) }
```


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

```
.border{ border-color:rgb(120, 101, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 101,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9746, 14.7305, 20.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 101, 123) }
```

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

```
.background{ background-color: rgb(120,  
101, 123) }
```

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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