

Converting Colors

XYZ(12.5354, 12.7731, 15.9921)

Have a look what the booklet for
XYZ(12.5354, 12.7731, 15.9921)
contains.

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Color

**XYZ(12.5354, 12.7731,
15.9921)**

Conversions

Conversions Part 1

Format	Color
Hex	65636C
RGB	101, 99, 108
RGB Percent	40%, 39%, 42%
CMY	0.6039, 0.6118, 0.5765
CMYK	0.06, 0.08, 0.00, 0.58
HSL	253°, 4%, 41%
HSV	253°, 8%, 42%
XYZ	12.5354, 12.7731, 15.9921
YIQ	100.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

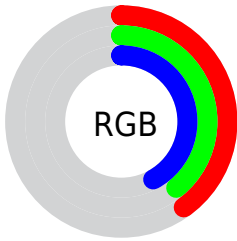
Format	Color
R _Y B	101, 99, 108
Decimal	6644588
CIE Lab	42.42, 2.70, -4.80
CIE LCh	42, 5.508, 299.374
Yxy	12.7731, 0.3035, 0.3093
Android (android.graphics.Color)	4284834668 (0xFF65636C)
YUV	100.6240, 3.6364, 0.3298
Hunter-Lab	35.7395, 0.0637, -1.5125

Details

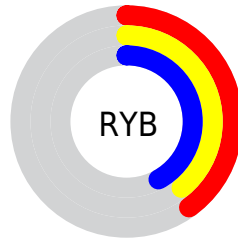
The XYZ color **12.5354, 12.7731, 15.9921** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5591, 14.6905, 13.9260**, and the grayscale version is **12.2644, 12.9031, 14.0515**.

A 20% lighter version of the original color is **30.1132, 30.9913, 37.1957**, and **3.6367, 3.6674, 4.9311** is the 20% darker color. If you saturate the color by 10%, you get **10.6868, 10.4017, 15.6320**, and if you desaturate by 10%, it is **14.6178, 15.4689, 16.4029**.

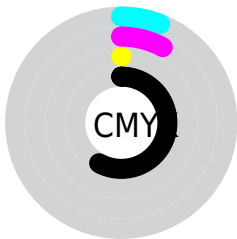
Distribution



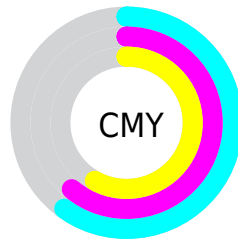
- Red (40%)
- Green (39%)
- Blue (42%)



- Red (40%)
- Yellow (39%)
- Blue (42%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5354, 12.7731, 15.9921 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 12.5354, 12.7731, 15.9921 by changing the saturation by 10% instead.

■ 12.5354, 12.7731,
15.9921

■ 12.5354, 12.7731,
15.9921

201.6166,
209.4583, 241.1392

■ 7.1842, 7.2725,
9.3643

■ 30.0750, 30.8955,
37.3511

■ 3.6249, 3.6331,
4.8795

■ 42.9941, 44.2862,
52.9193

■ 1.4922, 1.4705,
2.1192

■ 59.1666, 61.0756,
72.3048

■ 0.3205, 0.2678,
0.6272

■ 78.9578, 81.6482,
95.9260

■ 0.0000, 0.0000,
0.0000

102.7330,
106.3884, 124.2015

130.8577,

135.6805, 157.5498

163.6971,
169.9090, 196.3896

■ 12.5354, 12.7731,
15.9921

■ 12.5354, 12.7731,
15.9921

■ 10.6868, 10.4017,
15.6320

■ 14.6178, 15.4689,
16.4029

■ 9.0626, 8.3409,
15.3198

■ 16.9408, 18.4990,
16.8653

■ 7.6545, 6.5780,
15.0538

■ 19.5121, 21.8752,
17.3815

■ 6.4531, 5.0991,
14.8316

■ 22.3390, 25.6078,
17.9529

■ 5.4483, 3.8891,
14.6511

■ 25.4283, 29.7069,
18.5813

■ 4.6291, 2.9315,
14.5094

■ 28.7866, 34.1822,
19.2681

■ 3.9836, 2.2077,
14.4037

■ 32.4202, 39.0431,
20.0149

■ 3.4982, 1.6969,
14.3307

■ 36.3353, 44.2985,
20.8229

■ 3.1367, 1.3334,
14.2796

■ 40.5379, 49.9570,
21.6936

Harmonies

Analogous

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



12.1317, 12.7731, 16.3160



12.5354, 12.7731, 15.9921



12.8389, 12.7731, 15.1026

Triad

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



12.5354, 12.7731, 15.9921



12.5508, 12.7731, 12.0355



11.3612, 12.7731, 13.8828

Complementary

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



12.5354, 12.7731, 15.9921



13.5591, 14.6905, 13.9260

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.



11.4678, 12.7731, 12.7776



12.5354, 12.7731, 15.9921



12.1492, 12.7731, 11.7489

Square

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



12.5354, 12.7731, 15.9921



12.8480, 12.7731, 12.8184



11.7539, 12.7731, 12.0128



11.4594, 12.7731, 15.0571

Rectangle

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



12.5354, 12.7731, 15.9921



12.9404, 12.7731, 14.3327



11.7539, 12.7731, 12.0128



11.3742, 12.7731, 13.4913

Sweetspot

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



12.5358, 12.7736, 15.9924



24.2536, 25.3280, 28.5182



13.0120, 14.0541, 16.2144



5.8853, 6.1498, 6.9056



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.



12.5358, 12.7736, 15.9924



21.3465, 21.5739, 27.9468



13.0477, 13.0376, 16.0163



3.0055, 3.0546, 3.8661



3.6556, 1.5116, 17.0213



17.9910, 7.3743, 86.7014

Inverse Universe

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



13.2482, 13.1530, 15.4770



22.8722, 22.3866, 26.8337



13.0438, 14.4248, 13.9019



3.1902, 3.1530, 3.7321



9.2760, 4.5625, 10.3477



46.9301, 23.1140, 50.9623

Previews

White Background



This preview shows how the XYZ color 12.5354, 12.7731, 15.9921 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 12.5354, 12.7731, 15.9921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

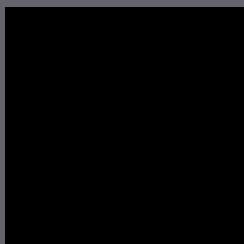
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

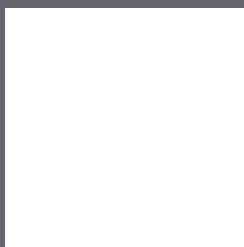
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5354, 12.7731, 15.9921

Background



This preview shows how black text looks on a background with the XYZ color 12.5354, 12.7731, 15.9921.



This preview shows how white text looks on a background with the XYZ color 12.5354, 12.7731,

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

12.5354, 12.7731, 15.9921

Protanopia

12.3142, 12.6590, 15.9818

Deuteranopia

12.9253, 12.6963, 15.9567



Tritanopia

12.4825, 12.7519, 15.7134

Trichromacy



Original Color

12.5354, 12.7731, 15.9921

Protanomaly

12.4241, 12.7157, 15.9869

Deuteranomaly

12.7834, 12.7611, 15.9767

Tritanomaly

12.4825, 12.7519, 15.7134

Monochromacy



Original Color

12.5354, 12.7731, 15.9921

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4227, 12.8805, 14.9281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5354, 12.7731, 15.9921 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(101, 99, 108)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 108)  
}
```

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(101, 99, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.5354, 12.7731, 15.9921 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(101, 99, 108) }
```


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

```
.border{ border-color:rgb(101, 99, 108) }
```

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

Here you see how a box with a 4 pixel rgb(101, 99, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 108);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5354, 12.7731, 15.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 108) }
```

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

```
.background{ background-color: rgb(101, 99,  
108) }
```

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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