

Converting Colors

XYZ(12.2747, 12.5540, 15.5889)

Have a look what the booklet for
XYZ(12.2747, 12.5540, 15.5889)
contains.

XYZ(12.2771, 12.5062, 15.6768)	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(12.2771, 12.5062,
15.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	64626B
RGB	100, 98, 107
RGB Percent	39%, 38%, 42%
CMY	0.6078, 0.6157, 0.5804
CMYK	0.07, 0.08, 0.00, 0.58
HSL	253°, 4%, 40%
HSV	253°, 8%, 42%
XYZ	12.2771, 12.5062, 15.6768
YIQ	99.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

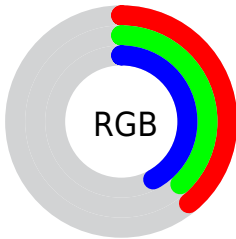
Format	Color
R_{YB}	100, 98, 107
Decimal	6578795
CIE Lab	42.01, 2.71, -4.81
CIE LCh	42, 5.518, 299.385
Yxy	12.5062, 0.3034, 0.3091
Android (android.graphics.Color)	4284768875 (0xFF64626B)
YUV	99.6240, 3.6364, 0.3298
Hunter-Lab	35.3641, 0.0814, -1.5282

Details

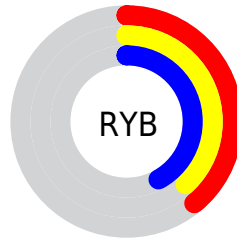
The XYZ color **12.2771, 12.5062, 15.6768** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2883, 14.4008, 13.6351**, and the grayscale version is **12.0091, 12.6346, 13.7590**.

A 20% lighter version of the original color is **29.6815, 30.5428, 36.6787**, and **3.5118, 3.5391, 4.7730** is the 20% darker color. If you saturate the color by 10%, you get **10.4682, 10.1858, 15.3244**, and if you desaturate by 10%, it is **14.3146, 15.1439, 16.0787**.

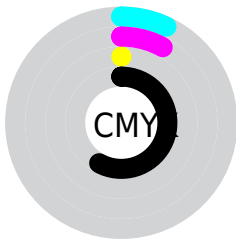
Distribution



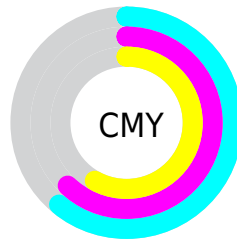
- Red (39%)
- Green (38%)
- Blue (42%)



- Red (39%)
- Yellow (38%)
- Blue (42%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2771, 12.5062, 15.6768 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 12.2771, 12.5062, 15.6768 by changing the saturation by 10% instead.

■ 12.2771, 12.5062,
15.6768

■ 12.2771, 12.5062,
15.6768

199.9639,
207.7283, 239.2072

■ 7.0062, 7.0894,
9.1439

■ 29.6113, 30.4138,
36.7951

■ 3.5124, 3.5181,
4.7370

■ 42.4053, 43.6733,
52.2176

■ 1.4301, 1.4078,
2.0378

■ 58.4378, 60.3159,
71.4404

■ 0.2775, 0.2225,
0.5784

■ 78.0740, 80.7259,
94.8820

■ 0.0000, 0.0000,
0.0000

101.6794,
105.2878, 122.9609

129.6192,

134.3858, 156.0957

162.2590,
168.4045, 194.7050

■ 12.2771, 12.5062,
15.6768

■ 12.2771, 12.5062,
15.6768

■ 10.4682, 10.1858,
15.3244

■ 14.3146, 15.1439,
16.0787

■ 8.8788, 8.1690,
15.0189

■ 16.5874, 18.1086,
16.5312

■ 7.5007, 6.4437,
14.7586

■ 19.1031, 21.4117,
17.0362

■ 6.3247, 4.9963,
14.5412

■ 21.8687, 25.0634,
17.5953

■ 5.3410, 3.8118,
14.3644

■ 24.8908, 29.0736,
18.2100

■ 4.5389, 2.8741,
14.2257

■ 28.1760, 33.4517,
18.8819

■ 3.9067, 2.1652,
14.1222

■ 31.7305, 38.2068,
19.6124

■ 3.4310, 1.6647,
14.0506

■ 35.5602, 43.3478,
20.4029

■ 3.0757, 1.3064,
14.0002

■ 39.6710, 48.8830,
21.2546

Harmonies

Analogous

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



11.8783, 12.5062, 15.9973



12.2771, 12.5062, 15.6768



12.5770, 12.5062, 14.7974

Triad

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



12.2771, 12.5062, 15.6768



12.2920, 12.5062, 11.7682



11.1171, 12.5062, 13.5930

Complementary

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



12.2771, 12.5062, 15.6768



13.2883, 14.4008, 13.6351

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.



11.2223, 12.5062, 12.5013



12.2771, 12.5062, 15.6768



11.8952, 12.5062, 11.4856

Square

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



12.2771, 12.5062, 15.6768



12.5857, 12.5062, 12.5409



11.5048, 12.5062, 11.7463



11.2142, 12.5062, 14.7532

Rectangle

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



12.2771, 12.5062, 15.6768



12.6771, 12.5062, 14.0365



11.5048, 12.5062, 11.7463



11.1300, 12.5062, 13.2062

Sweetspot

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



12.2775, 12.5067, 15.6771



23.8751, 24.8376, 28.4435



12.7479, 13.7719, 15.8965



5.7173, 5.9322, 6.8725



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.



12.2775, 12.5067, 15.6771



21.3469, 21.5740, 27.9468



12.7832, 12.7674, 15.7007



3.0055, 3.0546, 3.8661



3.6562, 1.5119, 17.0214



17.9934, 7.3755, 86.7015

Inverse Universe

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



12.9812, 12.8816, 15.1672



22.8720, 22.3865, 26.8328



12.7792, 14.1383, 13.6112



3.1902, 3.1530, 3.7319



9.2751, 4.5621, 10.3429



46.9253, 23.1121, 50.9367

Previews

White Background



This preview shows how the XYZ color 12.2771, 12.5062, 15.6768 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 12.2771, 12.5062, 15.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

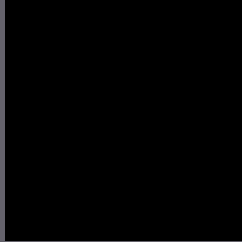
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

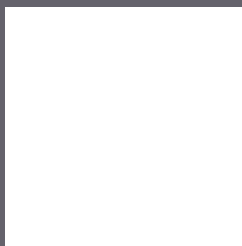
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2771, 12.5062, 15.6768

Background



This preview shows how black text looks on a background with the XYZ color 12.2771, 12.5062, 15.6768.



This preview shows how white text looks on a background with the XYZ color 12.2771, 12.5062,

15.6768.

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

12.2771, 12.5062, 15.6768

Protanopia

12.0585, 12.3936, 15.6666

Deuteranopia

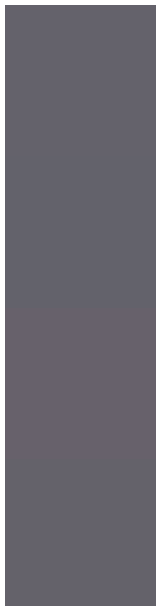
12.6624, 12.4305, 15.6419



Tritanopia

12.2247, 12.4853, 15.4013

Trichromacy



Original Color

12.2771, 12.5062, 15.6768

Protanomaly

12.1671, 12.4496, 15.6716

Deuteranomaly

12.5221, 12.4945, 15.6616

Tritanomaly

12.2247, 12.4853, 15.4013

Monochromacy



Original Color

12.2771, 12.5062, 15.6768

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1656, 12.6123, 14.6252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2771, 12.5062, 15.6768 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(100, 98, 107) looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 107)  
}
```

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(100, 98, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.2771, 12.5062, 15.6768 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(100, 98, 107) }
```


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

```
.border{ border-color:rgb(100, 98, 107) }
```

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

Here you see how a box with a 4 pixel rgb(100, 98, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 107);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2771, 12.5062, 15.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 107) }
```

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

```
.background{ background-color: rgb(100, 98,  
107) }
```

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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