

Converting Colors

XYZ(12.4022, 12.3487, 15.6674)

Have a look what the booklet for
XYZ(12.4022, 12.3487, 15.6674)
contains.

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Color

**XYZ(12.3162, 12.2521,
15.6257)**

Conversions

Conversions Part 1

Format	Color
Hex	66606B
RGB	102, 96, 107
RGB Percent	40%, 38%, 42%
CMY	0.6000, 0.6235, 0.5804
CMYK	0.05, 0.10, 0.00, 0.58
HSL	273°, 5%, 40%
HSV	273°, 10%, 42%
XYZ	12.3162, 12.2521, 15.6257
YIQ	99.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

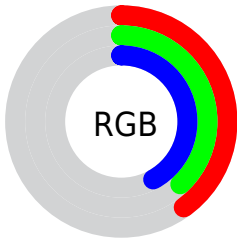
Format	Color
R_{YB}	102, 96, 107
Decimal	6709355
CIE Lab	41.61, 4.68, -5.38
CIE LCh	42, 7.128, 311.045
Yxy	12.2521, 0.3064, 0.3048
Android (android.graphics.Color)	4284899435 (0xFF66606B)
YUV	99.0480, 3.9203, 2.5889
Hunter-Lab	35.0030, 1.5520, -1.9656

Details

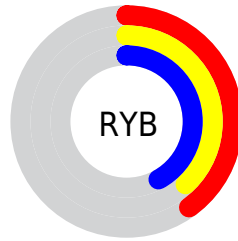
The XYZ color **12.3162, 12.2521, 15.6257** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7364, 14.1270, 13.1225**, and the grayscale version is **11.8626, 12.4803, 13.5911**.

A 20% lighter version of the original color is **29.5873, 29.7987, 36.5401**, and **3.5318, 3.4197, 4.7489** is the 20% darker color. If you saturate the color by 10%, you get **10.8705, 10.1552, 15.2973**, and if you desaturate by 10%, it is **13.9279, 14.6326, 16.0004**.

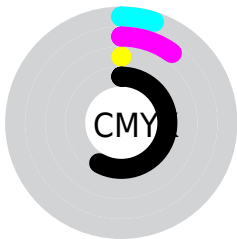
Distribution



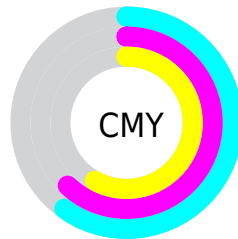
- Red (40%)
- Green (38%)
- Blue (42%)



- Red (40%)
- Yellow (38%)
- Blue (42%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3162, 12.2521, 15.6257 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 12.3162, 12.2521, 15.6257 by changing the saturation by 10% instead.

■ 12.3162, 12.2521,
15.6257

■ 12.3162, 12.2521,
15.6257

200.2150,
206.0672, 238.8926

■ 7.0331, 6.9156,
9.1082

■ 29.6816, 29.9534,
36.7049

■ 3.5293, 3.4094,
4.7141

■ 42.4946, 43.0871,
52.1036

■ 1.4395, 1.3490,
2.0247

■ 58.5484, 59.5885,
71.2999

■ 0.2841, 0.1787,
0.5704

■ 78.2081, 79.8422,
94.7122

■ 0.0000, 0.0000,
0.0000

101.8393,
104.2325, 122.7591

129.8073,

133.1439, 155.8591

162.4774,
166.9606, 194.4308

■ 12.3162, 12.2521,
15.6257

■ 12.3162, 12.2521,
15.6257

■ 10.8705, 10.1552,
15.2973

■ 13.9279, 14.6326,
16.0004

■ 9.5838, 8.3293,
15.0127

■ 15.7100, 17.3053,
16.4224

■ 8.4503, 6.7632,
14.7702

■ 17.6683, 20.2807,
16.8935

■ 7.4632, 5.4445,
14.5677

■ 19.8078, 23.5681,
17.4152

■ 6.6152, 4.3594,
14.4029

■ 22.1333, 27.1764,
17.9891

■ 5.8985, 3.4931,
14.2735

■ 24.6494, 31.1141,
18.6166

■ 5.3041, 2.8287,
14.1766

■ 27.3607, 35.3897,
19.2990

■ 4.8219, 2.3469,
14.1090

■ 30.2715, 40.0109,
20.0375

■ 4.4194, 1.9717,
14.0578

■ 33.3859, 44.9855,
20.8336

Harmonies

Analogous

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



11.8384, 12.2521, 16.3622



12.3162, 12.2521, 15.6257



12.6196, 12.2521, 14.2952

Triad

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



12.3162, 12.2521, 15.6257



11.9740, 12.2521, 10.8045



10.6885, 12.2521, 13.8982

Complementary

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



12.3162, 12.2521, 15.6257



12.7364, 14.1270, 13.1225

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.



10.7224, 12.2521, 12.4292



12.3162, 12.2521, 15.6257



11.4542, 12.2521, 10.7157

Square

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



12.3162, 12.2521, 15.6257



12.4180, 12.2521, 11.5421



10.9991, 12.2521, 11.2896



10.9052, 12.2521, 15.3165

Rectangle

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



12.3162, 12.2521, 15.6257



12.6769, 12.2521, 13.2882



10.9991, 12.2521, 11.2896



10.6712, 12.2521, 13.3929

Sweetspot

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



12.3166, 12.2526, 15.6260



24.0993, 24.9532, 28.4540



12.1449, 12.8821, 15.7565



5.7835, 5.9663, 6.8756



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.



12.3166, 12.2526, 15.6260



21.4968, 21.1251, 27.8522



12.8813, 12.5460, 15.5519



3.0913, 3.0988, 3.8701



5.3409, 2.3804, 17.1002



26.2031, 11.6078, 87.0857

Inverse Universe

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



12.5957, 12.4318, 14.0484



22.0942, 21.5082, 24.4853



12.2103, 13.8538, 13.1862



3.1516, 3.1375, 3.5288



8.0267, 4.0628, 3.7693



40.4722, 20.5308, 16.9551

Previews

White Background



This preview shows how the XYZ color 12.3162, 12.2521, 15.6257 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 12.3162, 12.2521, 15.6257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

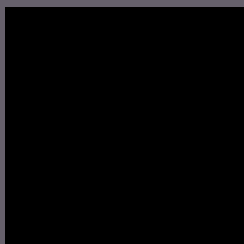
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3162, 12.2521, 15.6257

Background



This preview shows how black text looks on a background with the XYZ color 12.3162, 12.2521, 15.6257.

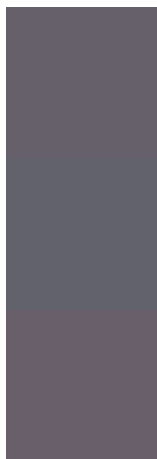


This preview shows how white text looks on a background with the XYZ color 12.3162, 12.2521,

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

12.3162, 12.2521, 15.6257

Protanopia

12.0042, 12.3595, 15.9403

Deuteranopia

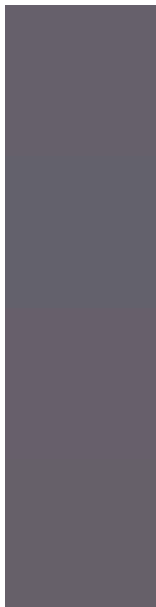
12.4550, 12.1890, 15.6062



Tritanopia

12.1611, 12.1900, 14.8087

Trichromacy



Original Color

12.3162, 12.2521, 15.6257

Protanomaly

12.1271, 12.2847, 15.9194

Deuteranomaly

12.3396, 12.1295, 15.6008

Tritanomaly

12.2122, 12.2104, 15.0778

Monochromacy



Original Color

12.3162, 12.2521, 15.6257

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0215, 12.4040, 14.3310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3162, 12.2521, 15.6257 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(102, 96, 107) looks like.

```
.text, #text, p{  
    color:rgb(102, 96, 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(102, 96, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 96, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.3162, 12.2521, 15.6257 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(102, 96, 107) }
```


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

```
.border{ border-color:rgb(102, 96, 107) }
```

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

Here you see how a box with a 4 pixel rgb(102, 96, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 96, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 96, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 96,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3162, 12.2521, 15.6257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 96, 107) }
```

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

```
.background{ background-color: rgb(102, 96,  
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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