

Converting Colors

XYZ(15.1472, 15.7624, 22.4941)

Have a look what the booklet for
XYZ(15.1472, 15.7624, 22.4941)
contains.

XYZ(15.1742, 15.8110, 22.6741)	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(15.1742, 15.8110,
22.6741)**

Conversions

Conversions Part 1

Format	Color
Hex	676F80
RGB	103, 111, 128
RGB Percent	40%, 44%, 50%
CMY	0.5961, 0.5647, 0.4980
CMYK	0.20, 0.13, 0.00, 0.50
HSL	221°, 11%, 45%
HSV	221°, 20%, 50%
XYZ	15.1742, 15.8110, 22.6741
YIQ	110.5460, -10.2250, 3.5910

Conversions

Conversions Part 2

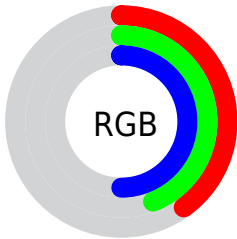
Format	Color
R_{YB}	103, 109, 128
Decimal	6778752
CIE _{Lab}	46.73, 0.87, -10.40
CIE _{LCh}	47, 10.435, 274.808
Yxy	15.8110, 0.2828, 0.2947
Android (android.graphics.Color)	4284968832 (0xFF676F80)
YUV	110.5460, 8.6048, -6.6178
Hunter-Lab	39.7630, -1.4669, -5.9748

Details

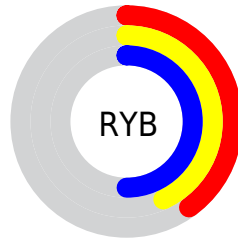
The XYZ color **15.1742, 15.8110, 22.6741** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0667, 19.0011, 15.5475**, and the grayscale version is **14.9565, 15.7354, 17.1359**.

A 20% lighter version of the original color is **34.7641, 36.4006, 48.9098**, and **4.8197, 4.9603, 8.1005** is the 20% darker color. If you saturate the color by 10%, you get **12.9132, 13.3041, 22.3096**, and if you desaturate by 10%, it is **17.7535, 18.6202, 23.0806**.

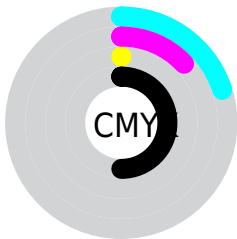
Distribution



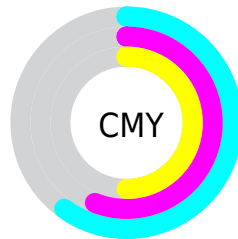
- Red (40%)
- Green (44%)
- Blue (50%)



- Red (40%)
- Yellow (43%)
- Blue (50%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)



- Cyan (60%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1742, 15.8110, 22.6741 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 15.1742, 15.8110, 22.6741 by changing the saturation by 10% instead.

■ 15.1742, 15.8110,
22.6741

■ 15.1742, 15.8110,
22.6741

217.7857,
228.2239, 279.1141

■ 9.0288, 9.3905,
14.1500

■ 34.7276, 36.2698,
48.7740

■ 4.8173, 4.9968,
8.0851

■ 48.8664, 51.0769,
67.1870

■ 2.1741, 2.2454,
4.0609

■ 66.4004, 69.4483,
89.7333

■ 0.7290, 0.7446,
1.6588

■ 87.6950, 91.7684,
116.8315

■ 0.0000, 0.0000,
0.3323

113.1154,
118.4216, 148.9001

■ 0.0000, 0.0000,
0.0000

143.0271,

149.7923, 186.3577

177.7954,
186.2650, 229.6229

■ 15.1742, 15.8110,
22.6741

■ 15.1742, 15.8110,
22.6741

■ 12.9132, 13.3041,
22.3096

■ 17.7535, 18.6202,
23.0806

■ 10.9563, 11.0870,
21.9848

■ 20.6617, 21.7396,
23.5295

■ 9.2901, 9.1491,
21.6986

■ 23.9107, 25.1795,
24.0222

■ 7.8999, 7.4786,
21.4494

■ 27.5114, 28.9489,
24.5600

■ 6.7693, 6.0625,
21.2357

■ 31.4741, 33.0565,
25.1440

■ 5.8804, 4.8867,
21.0556

■ 35.8088, 37.5107,
25.7753

■ 5.2124, 3.9354,
20.9072

■ 40.5250, 42.3195,
26.4549

■ 4.7100, 3.1747,
20.7868

■ 45.6320, 47.4908,
27.1839

■ 4.6883, 3.1424,
20.7817

■ 51.1385, 53.0320,
27.9632

Harmonies

Analogous

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



14.2993, 15.8110, 22.1301



15.1742, 15.8110, 22.6741



16.0432, 15.8110, 21.6399

Triad

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



15.1742, 15.8110, 22.6741



16.5023, 15.8110, 14.5246



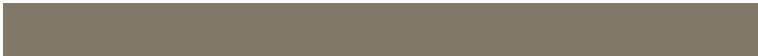
13.5077, 15.8110, 15.1802

Complementary

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



15.1742, 15.8110, 22.6741



18.0667, 19.0011, 15.5475

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.



14.0563, 15.8110, 13.4394



15.1742, 15.8110, 22.6741



15.7808, 15.8110, 13.0884

Square

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



15.1742, 15.8110, 22.6741



16.8294, 15.8110, 16.8012



14.8825, 15.8110, 12.7118



13.3598, 15.8110, 17.6366

Rectangle

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



15.1742, 15.8110, 22.6741



16.4952, 15.8110, 20.2502



14.8825, 15.8110, 12.7118



13.6502, 15.8110, 14.5002

Sweetspot

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



15.1747, 15.8116, 22.6745



32.9287, 34.5847, 40.8963



16.6829, 19.6701, 20.5811



7.6486, 8.0317, 9.5655



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.1747, 15.8116, 22.6745



25.0594, 26.0109, 39.6561



14.8302, 14.3954, 22.4192



4.2125, 4.4191, 5.4442



4.6499, 3.1182, 20.6068



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6219, 15.4376, 17.1435



28.0653, 25.3098, 28.1514



18.4557, 20.6905, 15.8531



4.3801, 4.3652, 4.8061



9.2240, 4.7093, 2.5034



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.1742, 15.8110, 22.6741 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 15.1742, 15.8110, 22.6741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

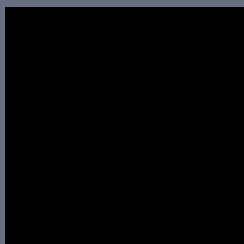
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

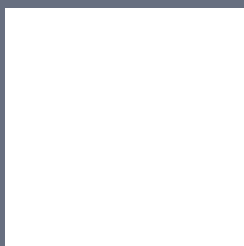
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1742, 15.8110, 22.6741

Background



This preview shows how black text looks on a background with the XYZ color 15.1742, 15.8110, 22.6741.



This preview shows how white text looks on a background with the XYZ color 15.1742, 15.8110,

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

15.1742, 15.8110, 22.6741

Protanopia

15.5910, 15.8723, 22.3206

Deuteranopia

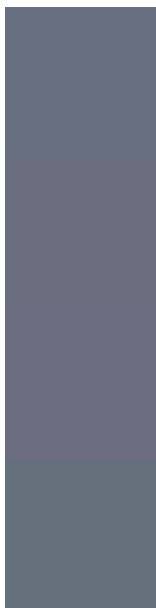
16.1351, 15.8208, 22.9722



Tritanopia

14.7249, 15.7936, 20.3615

Trichromacy



Original Color

15.1742, 15.8110, 22.6741

Protanomaly

15.3506, 15.7483, 22.3093

Deuteranomaly

15.7378, 15.7735, 22.9840

Tritanomaly

14.9118, 15.8684, 21.3457

Monochromacy



Original Color

15.1742, 15.8110, 22.6741

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0797, 15.8414, 19.0925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1742, 15.8110, 22.6741 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(103, 111, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 128)  
}
```

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(103, 111, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 128) }
```

Border

The CSS property to change the border of an element to XYZ 15.1742, 15.8110, 22.6741 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(103, 111, 128) }
```


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

```
.border{ border-color:rgb(103, 111, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 128);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1742, 15.8110, 22.6741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 128) }
```

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

```
.background{ background-color: rgb(103,  
111, 128) }
```

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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