

Converting Colors

XYZ(15.9282, 17.6918, 29.7697)

Have a look what the booklet for
XYZ(15.9282, 17.6918, 29.7697)
contains.

XYZ(15.9562, 17.7763, 29.7843)	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(15.9562, 17.7763,
29.7843)**

Conversions

Conversions Part 1

Format	Color
Hex	577992
RGB	87, 121, 146
RGB Percent	34%, 47%, 57%
CMY	0.6588, 0.5255, 0.4274
CMYK	0.40, 0.17, 0.00, 0.43
HSL	205°, 25%, 46%
HSV	205°, 40%, 57%
XYZ	15.9562, 17.7763, 29.7843
YIQ	113.6840, -28.2890, 0.5670

Conversions

Conversions Part 2

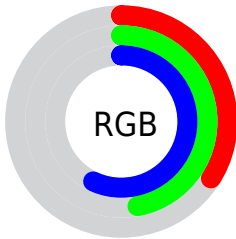
Format	Color
RYB	87, 109, 146
Decimal	5732754
CIELab	49.22, -5.31, -17.37
CIELCh	49, 18.168, 253.002
Yxy	17.7763, 0.2512, 0.2799
Android (android.graphics.Color)	4283922834 (0xFF577992)
YUV	113.6840, 15.9318, -23.4019
Hunter-Lab	42.1619, -6.2300, -12.3706

Details

The XYZ color **15.9562, 17.7763, 29.7843** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.3690, 18.3880, 11.5459**, and the grayscale version is **15.8601, 16.6861, 18.1711**.

A 20% lighter version of the original color is **36.0164, 39.5462, 60.3785**, and **5.2111, 5.9846, 11.7070** is the 20% darker color. If you saturate the color by 10%, you get **14.0007, 15.6881, 29.4846**, and if you desaturate by 10%, it is **18.2367, 20.1045, 30.1138**.

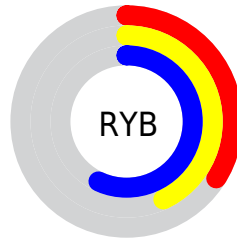
Distribution



Red (34%)

Green (47%)

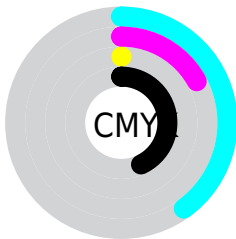
Blue (57%)



Red (34%)

Yellow (43%)

Blue (57%)

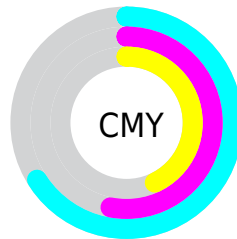


Cyan (40%)

Magenta (17%)

Yellow (0%)

Black (43%)



Cyan (66%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9562, 17.7763, 29.7843 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 15.9562, 17.7763, 29.7843 by changing the saturation by 10% instead.

■ 15.9562, 17.7763,
29.7843

■ 15.9562, 17.7763,
29.7843

222.3586,
239.6071, 315.0737

■ 9.5838, 10.7895,
19.4243

■ 36.0802, 39.6558,
60.3779

■ 5.1840, 5.9255,
11.7973

■ 50.5625, 55.3172,
81.4485

■ 2.3915, 2.7998,
6.4850

■ 68.4789, 74.6391,
106.9263

■ 0.8409, 1.0281,
3.0686

■ 90.1947, 98.0056,
137.2300

■ 0.0000, 0.0000,
1.1298

■ 116.0751,
125.8013, 172.7781

■ 0.0000, 0.0000,
0.0000

146.4857,

158.4105, 213.9890

181.7918,
196.2177, 261.2813

■ 15.9562, 17.7763,
29.7843

■ 15.9562, 17.7763,
29.7843

■ 14.0007, 15.6881,
29.4846

■ 18.2367, 20.1045,
30.1138

■ 12.3510, 13.8273,
29.2124

■ 20.8568, 22.6802,
30.4729

■ 10.9882, 12.1834,
28.9669

■ 23.8321, 25.5132,
30.8629

■ 9.8902, 10.7434,
28.7468

■ 27.1767, 28.6119,
31.2847

■ 9.0316, 9.4929,
28.5507

■ 30.9038, 31.9844,
31.7392

■ 8.3693, 8.4372,
28.3819

■ 35.0262, 35.6384,
32.2272

■ 39.5557, 39.5811,
32.7495

■ 44.5038, 43.8198,
33.3069

■ 49.8817, 48.3610,
33.9000

Harmonies

Analogous

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



14.6117, 17.7763, 26.4845



15.9562, 17.7763, 29.7843



17.6436, 17.7763, 30.0106

Triad

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



15.9562, 17.7763, 29.7843



20.2927, 17.7763, 17.3206



14.7588, 17.7763, 13.2733

Complementary

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



15.9562, 17.7763, 29.7843



19.3690, 18.3880, 11.5459

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.



16.1695, 17.7763, 11.5780



15.9562, 17.7763, 29.7843



19.4064, 17.7763, 13.6363

Square

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



15.9562, 17.7763, 29.7843



20.2260, 17.7763, 22.2295



17.8717, 17.7763, 11.6987



13.9529, 17.7763, 16.7403

Rectangle

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



15.9562, 17.7763, 29.7843



18.7435, 17.7763, 28.3372



17.8717, 17.7763, 11.6987



15.1738, 17.7763, 12.5056

Sweetspot

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



15.9568, 17.7770, 29.7847



41.0316, 44.0565, 54.3147



17.1114, 23.7450, 18.8899



8.9934, 9.6737, 12.0654



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.9568, 17.7770, 29.7847



25.1608, 28.1799, 52.0867



12.9393, 11.7421, 28.7789



5.7603, 6.1545, 7.3541



7.3873, 7.4694, 24.9834



0.1197, 0.1500, 0.3155

Inverse Universe

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



18.7140, 14.3085, 19.8653



30.8221, 21.7514, 31.5637



23.1119, 25.8738, 12.7935



5.9324, 5.8680, 6.7504



11.8558, 5.9474, 7.9878



0.1599, 0.0787, 0.1756

Previews

White Background



This preview shows how the XYZ color 15.9562, 17.7763, 29.7843 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 15.9562, 17.7763, 29.7843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

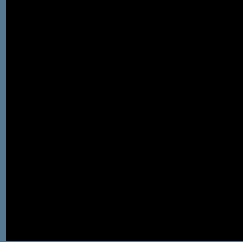
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

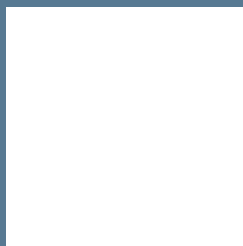
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9562, 17.7763, 29.7843

Background



This preview shows how black text looks on a background with the XYZ color 15.9562, 17.7763, 29.7843.



This preview shows how white text looks on a background with the XYZ color 15.9562, 17.7763,

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

15.9562, 17.7763, 29.7843

Protanopia

17.6834, 17.8233, 28.0994

Deuteranopia

17.9659, 17.5860, 30.0513



Tritanopia

14.9728, 17.7442, 24.8261

Trichromacy



Original Color

15.9562, 17.7763, 29.7843

Protanomaly

16.9158, 17.7648, 28.5240

Deuteranomaly

17.2213, 17.7127, 30.1150

Tritanomaly

15.2933, 17.6853, 26.6523

Monochromacy



Original Color

15.9562, 17.7763, 29.7843

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8361, 17.1720, 22.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9562, 17.7763, 29.7843 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(87, 121, 146)` looks like.

```
.text, #text, p{  
    color:rgb(87, 121, 146)  
}
```

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(87, 121, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 121, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.9562, 17.7763, 29.7843 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(87, 121, 146) }
```


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

```
.border{ border-color:rgb(87, 121, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 121, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 121, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 121, 146);  
box-shadow:4px 4px 4px 4px rgb(87, 121,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9562, 17.7763, 29.7843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 121, 146) }
```

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

```
.background{ background-color: rgb(87, 121,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor