

Converting Colors

XYZ(15.7516, 20.5182, 33.2651)

Have a look what the booklet for
XYZ(15.7516, 20.5182, 33.2651)
contains.

XYZ(15.7729, 20.5366, 33.2696)	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(15.7729, 20.5366,
33.2696)**

Conversions

Conversions Part 1

Format	Color
Hex	308899
RGB	48, 136, 153
RGB Percent	19%, 53%, 60%
CMY	0.8117, 0.4667, 0.4000
CMYK	0.69, 0.11, 0.00, 0.40
HSL	190°, 52%, 39%
HSV	190°, 69%, 60%
XYZ	15.7729, 20.5366, 33.2696
YIQ	111.6260, -57.9050, -13.3690

Conversions

Conversions Part 2

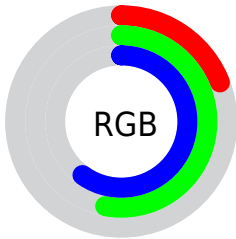
Format	Color
R_{YB}	48, 96, 153
Decimal	3180697
CIE _{Lab}	52.44, -20.23, -16.71
CIE _{LCh}	52, 26.238, 219.558
Yxy	20.5366, 0.2267, 0.2952
Android (android.graphics.Color)	4281370777 (0xFF308899)
YUV	111.6260, 20.3974, -55.8000
Hunter-Lab	45.3173, -17.1776, -11.8055

Details

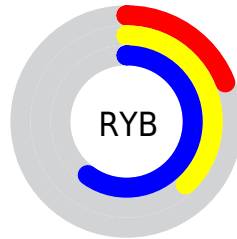
The XYZ color **15.7729, 20.5366, 33.2696** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5614, 10.7672, 4.0553**, and the grayscale version is **15.2469, 16.0410, 17.4686**.

A 20% lighter version of the original color is **35.8603, 44.5201, 65.7347**, and **5.7261, 7.6149, 13.7384** is the 20% darker color. If you saturate the color by 10%, you get **14.8273, 19.5376, 33.1270**, and if you desaturate by 10%, it is **16.9768, 21.6816, 33.4275**.

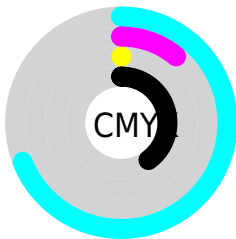
Distribution



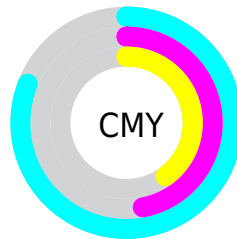
- Red (19%)
- Green (53%)
- Blue (60%)



- Red (19%)
- Yellow (38%)
- Blue (60%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (81%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7729, 20.5366, 33.2696 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 15.7729, 20.5366, 33.2696 by changing the saturation by 10% instead.

15.7729, 20.5366,
33.2696

15.7729, 20.5366,
33.2696

221.2947,
254.8054, 331.5320

9.4534, 12.7857,
22.0603

35.7641, 44.3150,
65.9171

5.0976, 7.2811,
13.7024

50.1666, 61.1113,
88.1923

2.3400, 3.6385,
7.7776

67.9941, 81.6916,
114.9932

0.8150, 1.4735,
3.8673

89.6120, 106.4401,
146.7383

0.0000, 0.2700,
1.5528

115.3857,
135.7414, 183.8462

0.0000, 0.0000,
0.2568

145.6804,

0.0000, 0.0000,

169.9798, 226.7354

0.0000

180.8617,
209.5396, 275.8245

■ 15.7729, 20.5366,
33.2696

■ 15.7729, 20.5366,
33.2696

■ 14.8273, 19.5376,
33.1270

■ 16.9768, 21.6816,
33.4275

■ 14.1111, 18.6683,
32.9970

■ 18.4602, 22.9823,
33.6004

■ 13.5700, 17.9011,
32.8774

■ 20.2442, 24.4501,
33.7897

■ 13.4989, 17.7981,
32.8613

■ 22.3472, 26.0946,
33.9963

■ 24.7865, 27.9246,
34.2210

■ 27.5776, 29.9485,
34.4645

■ 30.7355, 32.1738,
34.7276

■ 34.2740, 34.6079,
35.0109

■ 38.2063, 37.2575,
35.3151

Harmonies

Analogous

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



14.8206, 20.5366, 24.9304



15.7729, 20.5366, 33.2696



17.7563, 20.5366, 39.4528

Triad

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



15.7729, 20.5366, 33.2696



24.8180, 20.5366, 27.9856



18.6672, 20.5366, 10.6410

Complementary

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



15.7729, 20.5366, 33.2696



15.5614, 10.7672, 4.0553

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.



21.3956, 20.5366, 11.0936



15.7729, 20.5366, 33.2696



25.1192, 20.5366, 19.9742

Square

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



15.7729, 20.5366, 33.2696



23.0280, 20.5366, 35.9455



23.8167, 20.5366, 14.1428



16.3867, 20.5366, 12.7194

Rectangle

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



15.7729, 20.5366, 33.2696



19.4793, 20.5366, 40.8396



23.8167, 20.5366, 14.1428



19.5596, 20.5366, 10.5155

Sweetspot

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



15.7736, 20.5374, 33.2701



43.1072, 49.0598, 61.1695



13.5292, 23.7787, 8.6910



9.2738, 10.6499, 13.4843



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.7736, 20.5374, 33.2701



25.8645, 34.1837, 59.2069



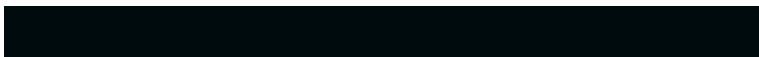
10.1984, 9.3870, 31.4117



6.2994, 6.8562, 7.9203



11.1768, 14.7503, 27.1657



0.1871, 0.2606, 0.4128

Inverse Universe

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



18.6384, 10.6646, 24.3694



31.6455, 16.3758, 40.7717



19.9453, 19.5351, 5.5166



6.4182, 6.3065, 7.5826



14.1003, 6.8944, 17.5850



0.2209, 0.1071, 0.3162

Previews

White Background



This preview shows how the XYZ color 15.7729, 20.5366, 33.2696 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7729, 20.5366, 33.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

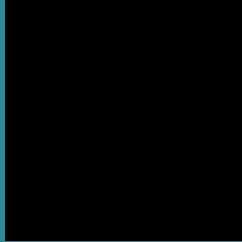
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7729, 20.5366, 33.2696

Background



This preview shows how black text looks on a background with the XYZ color 15.7729, 20.5366, 33.2696.



This preview shows how white text looks on a background with the XYZ color 15.7729, 20.5366,

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

15.7729, 20.5366, 33.2696

Protanopia

19.8627, 20.1726, 29.2324

Deuteranopia

20.7060, 20.3124, 34.2819



Tritanopia

15.3731, 20.5873, 31.1805

Trichromacy



Original Color

15.7729, 20.5366, 33.2696

Protanomaly

17.6017, 19.9246, 30.5219

Deuteranomaly

18.1219, 19.9250, 33.9011

Tritanomaly

15.5774, 20.6742, 32.0237

Monochromacy



Original Color

15.7729, 20.5366, 33.2696

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7880, 17.3309, 22.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7729, 20.5366, 33.2696 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(48, 136, 153)` looks like.

```
.text, #text, p{  
    color:rgb(48, 136, 153)  
}
```

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(48, 136, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 136, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.7729, 20.5366, 33.2696 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(48, 136, 153) }
```


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

```
.border{ border-color:rgb(48, 136, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 136, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 136, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 136, 153);  
box-shadow:4px 4px 4px 4px rgb(48, 136,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7729, 20.5366, 33.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 136, 153) }
```

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

```
.background{ background-color: rgb(48, 136,  
153) }
```

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