

Converting Colors

XYZ(16.4337, 18.4977, 33.2761)

Have a look what the booklet for
XYZ(16.4337, 18.4977, 33.2761)
contains.

XYZ(16.4337, 18.4977, 33.2761)	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(16.4337, 18.4977,
33.2761)**

Conversions

Conversions Part 1

Format	Color
Hex	517C9A
RGB	81, 124, 154
RGB Percent	32%, 49%, 60%
CMY	0.6823, 0.5137, 0.3961
CMYK	0.47, 0.19, 0.00, 0.40
HSL	205°, 31%, 46%
HSV	205°, 47%, 60%
XYZ	16.4337, 18.4977, 33.2761
YIQ	114.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

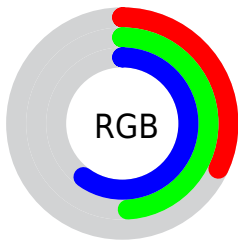
Format	Color
R _Y B	81, 108, 154
Decimal	5340314
CIE Lab	50.09, -6.34, -20.76
CIE LCh	50, 21.707, 253.019
Yxy	18.4977, 0.2409, 0.2712
Android (android.graphics.Color)	4283530394 (0xFF517C9A)
YUV	114.5630, 19.4424, -29.4348
Hunter-Lab	43.0090, -7.0609, -15.7665

Details

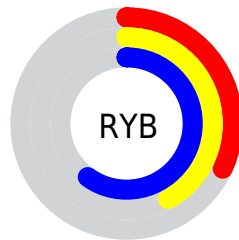
The XYZ color **16.4337, 18.4977, 33.2761** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.4965, 18.8335, 10.3401**, and the grayscale version is **16.1149, 16.9541, 18.4630**.

A 20% lighter version of the original color is **36.7420, 40.6731, 65.5887**, and **5.3903, 6.2310, 13.7506** is the 20% darker color. If you saturate the color by 10%, you get **14.4929, 16.3577, 32.9657**, and if you desaturate by 10%, it is **18.7259, 20.8952, 33.6184**.

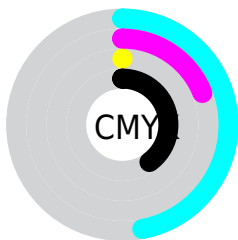
Distribution



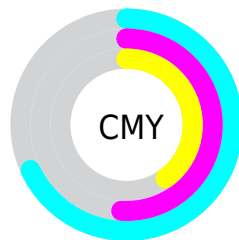
- Red (32%)
- Green (49%)
- Blue (60%)



- Red (32%)
- Yellow (42%)
- Blue (60%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (40%)



- Cyan (68%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4337, 18.4977, 33.2761 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 16.4337, 18.4977, 33.2761 by changing the saturation by 10% instead.

■ 16.4337, 18.4977,
33.2761

■ 16.4337, 18.4977,
33.2761

■ 225.1079,
243.6616, 331.5621

■ 9.9244, 11.3079,
22.0652

■ 36.9009, 40.8836,
65.9273

■ 5.4107, 6.2743,
13.7060

■ 51.5895, 56.8485,
88.2047

■ 2.5274, 3.0126,
7.7801

■ 69.7352, 76.5071,
115.0080

■ 0.9091, 1.1383,
3.8688

■ 91.7033, 100.2440,
146.7558

■ 0.0000, 0.0104,
1.5536

■ 117.8593,
128.4435, 183.8665

■ 0.0000, 0.0000,
0.2574

148.5685,

■ 0.0000, 0.0000,

161.4900, 226.7588

0.0000

184.1963,
199.7679, 275.8511

■ 16.4337, 18.4977,
33.2761

■ 16.4337, 18.4977,
33.2761

■ 14.4929, 16.3577,
32.9657

■ 18.7259, 20.8952,
33.6184

■ 12.8803, 14.4606,
32.6845

■ 21.3872, 23.5596,
33.9924

■ 11.5724, 12.7934,
32.4316

■ 24.4362, 26.5022,
34.3997

■ 10.5415, 11.3402,
32.2054

■ 27.8896, 29.7328,
34.8412

■ 9.7412, 10.0755,
32.0035

■ 31.7631, 33.2608,
35.3180

■ 9.5494, 9.7664,
31.9540

■ 36.0716, 37.0951,
35.8311

■ 40.8291, 41.2442,
36.3812

■ 46.0489, 45.7161,
36.9692

■ 51.7441, 50.5188,
37.5961

Harmonies

Analogous

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



14.8038, 18.4977, 29.0580



16.4337, 18.4977, 33.2761



18.5025, 18.4977, 33.5648

Triad

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



16.4337, 18.4977, 33.2761



21.7950, 18.4977, 17.6577



14.9797, 18.4977, 12.8433

Complementary

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



16.4337, 18.4977, 33.2761



20.4965, 18.8335, 10.3401

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.



16.6916, 18.4977, 10.8794



16.4337, 18.4977, 33.2761



20.6866, 18.4977, 13.2647

Square

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



16.4337, 18.4977, 33.2761



21.7121, 18.4977, 23.6928



18.7816, 18.4977, 11.0165



14.0111, 18.4977, 16.9629

Rectangle

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



16.4337, 18.4977, 33.2761



19.8637, 18.4977, 31.4152



18.7816, 18.4977, 11.0165



15.4812, 18.4977, 11.9494

Sweetspot

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



16.4343, 18.4984, 33.2765



46.2670, 49.9169, 62.7327



17.7748, 25.9911, 18.8896



10.1947, 11.0365, 14.1633



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.4343, 18.4984, 33.2765



26.0899, 29.4440, 59.8445



12.7410, 11.1119, 32.0455



6.1716, 6.6005, 7.8777



7.8159, 8.0284, 26.0454



0.1526, 0.1915, 0.4013

Inverse Universe

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



19.9074, 14.2107, 20.7632



33.4409, 21.5774, 33.0885



25.1992, 28.2388, 11.9077



6.3537, 6.2807, 7.2428



12.4038, 6.2158, 8.6516



0.2035, 0.1001, 0.2243

Previews

White Background



This preview shows how the XYZ color 16.4337, 18.4977, 33.2761 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 16.4337, 18.4977, 33.2761 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 16.4337, 18.4977, 33.2761

Background



This preview shows how black text looks on a background with the XYZ color 16.4337, 18.4977, 33.2761.

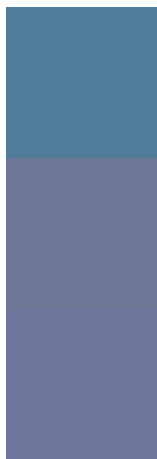


This preview shows how white text looks on a background with the XYZ color 16.4337, 18.4977,

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

16.4337, 18.4977, 33.2761

Protanopia

18.3417, 18.2720, 30.9939

Deuteranopia

18.7924, 18.4379, 34.0209



Tritanopia

15.0852, 18.5214, 26.4468

Trichromacy



Original Color

16.4337, 18.4977, 33.2761

Protanomaly

17.5579, 18.3766, 31.8998

Deuteranomaly

17.7785, 18.4521, 33.6349

Tritanomaly

15.5607, 18.5246, 28.7421

Monochromacy



Original Color

16.4337, 18.4977, 33.2761

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0344, 17.4254, 23.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4337, 18.4977, 33.2761 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(81, 124, 154)` looks like.

```
.text, #text, p{  
    color:rgb(81, 124, 154)  
}
```

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(81, 124, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 124, 154) }
```

Border

The CSS property to change the border of an element to XYZ 16.4337, 18.4977, 33.2761 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(81, 124, 154) }
```


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

```
.border{ border-color:rgb(81, 124, 154) }
```

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

Here you see how a box with a 4 pixel rgb(81, 124, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 124, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 124, 154);  
box-shadow:4px 4px 4px 4px rgb(81, 124,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4337, 18.4977, 33.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 124, 154) }
```

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

```
.background{ background-color: rgb(81, 124,  
154) }
```

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