

Converting Colors

XYZ(16.2209, 19.6516, 33.2767)

Have a look what the booklet for
XYZ(16.2209, 19.6516, 33.2767)
contains.

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Color

**XYZ(16.2500, 19.7615,
33.0949)**

Conversions

Conversions Part 1

Format	Color
Hex	448399
RGB	68, 131, 153
RGB Percent	27%, 51%, 60%
CMY	0.7333, 0.4863, 0.4000
CMYK	0.56, 0.14, 0.00, 0.40
HSL	196°, 38%, 43%
HSV	196°, 56%, 60%
XYZ	16.2500, 19.7615, 33.0949
YIQ	114.6710, -44.6100, -6.5140

Conversions

Conversions Part 2

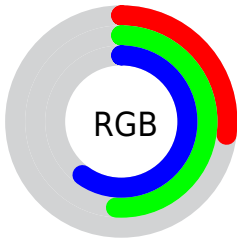
Format	Color
RYB	68, 104, 153
Decimal	4490137
CIELab	51.57, -13.73, -17.98
CIElCh	52, 22.619, 232.636
Yxy	19.7615, 0.2351, 0.2860
Android (android.graphics.Color)	4282680217 (0xFF448399)
YUV	114.6710, 18.8962, -40.9305
Hunter-Lab	44.4539, -12.5442, -13.0223

Details

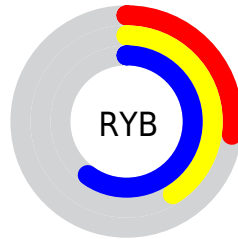
The XYZ color **16.2500, 19.7615, 33.0949** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8370, 14.5026, 7.3287**, and the grayscale version is **16.1512, 16.9923, 18.5046**.

A 20% lighter version of the original color is **36.5714, 42.9969, 65.4032**, and **5.4156, 6.9939, 13.6349** is the 20% darker color. If you saturate the color by 10%, you get **14.7974, 18.2385, 32.8779**, and if you desaturate by 10%, it is **18.0027, 21.4702, 33.3327**.

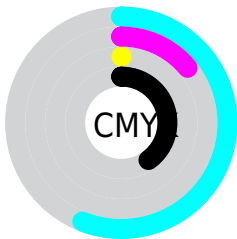
Distribution



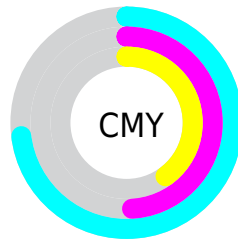
- Red (27%)
- Green (51%)
- Blue (60%)



- Red (27%)
- Yellow (41%)
- Blue (60%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (73%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2500, 19.7615, 33.0949 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 16.2500, 19.7615, 33.0949 by changing the saturation by 10% instead.

■ 16.2500, 19.7615,
33.0949

■ 16.2500, 19.7615,
33.0949

224.0539,
250.6210, 330.7223

■ 9.7932, 12.2218,
21.9274

■ 36.5856, 43.0170,
65.6414

■ 5.3233, 6.8949,
13.6058

■ 51.1952, 59.5015,
87.8575

■ 2.4749, 3.3965,
7.7114

■ 69.2530, 79.7365,
114.5936

■ 0.8826, 1.3421,
3.8257

■ 91.1245, 104.1062,
146.2681

■ 0.0000, 0.1734,
1.5302

■ 117.1749,
132.9951, 183.2997

■ 0.0000, 0.0000,
0.2403

147.7698,

■ 0.0000, 0.0000,

166.7877, 226.1069

0.0000

183.2743,
205.8682, 275.1083

■ 16.2500, 19.7615,
33.0949

■ 16.2500, 19.7615,
33.0949

■ 14.7974, 18.2385,
32.8779

■ 18.0027, 21.4702,
33.3327

■ 13.6206, 16.8871,
32.6790

■ 20.0737, 23.3730,
33.5908

■ 12.6944, 15.6945,
32.4977

■ 22.4816, 25.4805,
33.8707

■ 11.9843, 14.6424,
32.3320

■ 25.2434, 27.8014,
34.1731

■ 11.6999, 14.2000,
32.2616

■ 28.3745, 30.3443,
34.4989

■ 31.8898, 33.1169,
34.8488

■ 35.8029, 36.1267,
35.2235

■ 40.1271, 39.3808,
35.6237

■ 44.8748, 42.8859,
36.0500

Harmonies

Analogous

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



15.0261, 19.7615, 26.7102



16.2500, 19.7615, 33.0949



18.2273, 19.7615, 36.4944

Triad

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



16.2500, 19.7615, 33.0949



23.4659, 19.7615, 23.1638



17.1482, 19.7615, 11.8981

Complementary

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



16.2500, 19.7615, 33.0949



17.8370, 14.5026, 7.3287

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.



19.3493, 19.7615, 11.3267



16.2500, 19.7615, 33.0949



23.1184, 19.7615, 17.0446

Square

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



16.2500, 19.7615, 33.0949



22.4801, 19.7615, 30.0548



21.5658, 19.7615, 13.0135



15.5147, 19.7615, 14.7716

Rectangle

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



16.2500, 19.7615, 33.0949



19.7564, 19.7615, 36.2104



21.5658, 19.7615, 13.0135



17.8415, 19.7615, 11.4577

Sweetspot

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



16.2506, 19.7622, 33.0954



44.2780, 49.0189, 61.0999



15.5894, 24.7374, 13.4602



9.5746, 10.6551, 13.4695



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.



16.2506, 19.7622, 33.0954



25.8684, 31.9622, 58.7779



11.7275, 10.7160, 31.5877



6.2492, 6.7558, 7.9036



9.6975, 11.7916, 26.6726



0.1736, 0.2336, 0.4083

Inverse Universe

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



19.3013, 12.5459, 22.8778



32.1916, 18.6777, 37.2245



22.3982, 23.6251, 8.8491



6.3929, 6.2963, 7.4492



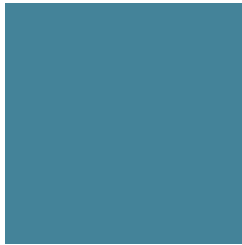
13.3536, 6.5957, 13.6529



0.2141, 0.1044, 0.2802

Previews

White Background



This preview shows how the XYZ color 16.2500, 19.7615, 33.0949 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 16.2500, 19.7615, 33.0949 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 16.2500, 19.7615, 33.0949

Background



This preview shows how black text looks on a background with the XYZ color 16.2500, 19.7615, 33.0949.



This preview shows how white text looks on a background with the XYZ color 16.2500, 19.7615,

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

16.2500, 19.7615, 33.0949

Protanopia

19.3618, 19.5320, 29.9437

Deuteranopia

19.9690, 19.5814, 33.7375



Tritanopia

15.4598, 19.8482, 29.0029

Trichromacy



Original Color

16.2500, 19.7615, 33.0949

Protanomaly

17.9040, 19.4898, 31.2520

Deuteranomaly

18.1860, 19.4010, 33.3581

Tritanomaly

15.6977, 19.7329, 30.5852

Monochromacy



Original Color

16.2500, 19.7615, 33.0949

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8368, 17.8564, 23.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2500, 19.7615, 33.0949 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(68, 131, 153)` looks like.

```
.text, #text, p{  
    color:rgb(68, 131, 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(68, 131, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 131, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.2500, 19.7615, 33.0949 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(68, 131, 153) }
```


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

```
.border{ border-color:rgb(68, 131, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 131, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 131, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 131, 153);  
box-shadow:4px 4px 4px 4px rgb(68, 131,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2500, 19.7615, 33.0949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 131, 153) }
```

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

```
.background{ background-color: rgb(68, 131,  
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](#).

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