

Converting Colors

XYZ(16.3529, 21.9746, 32.3160)

Have a look what the booklet for
XYZ(16.3529, 21.9746, 32.3160)
contains.

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Color

**XYZ(16.2965, 21.9047,
32.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	318D96
RGB	49, 141, 150
RGB Percent	19%, 55%, 59%
CMY	0.8078, 0.4471, 0.4118
CMYK	0.67, 0.06, 0.00, 0.41
HSL	185°, 51%, 39%
HSV	185°, 67%, 59%
XYZ	16.2965, 21.9047, 32.2233
YIQ	114.5180, -57.7210, -16.7050

Conversions

Conversions Part 2

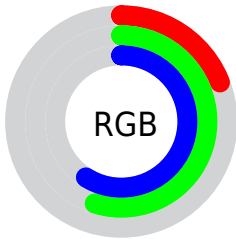
Format	Color
R_{YB}	49, 97, 150
Decimal	3247510
CIE _{Lab}	53.93, -23.63, -12.72
CIE _{LCh}	54, 26.837, 208.289
Yxy	21.9047, 0.2314, 0.3110
Android (android.graphics.Color)	4281437590 (0xFF318D96)
YUV	114.5180, 17.4926, -57.4593
Hunter-Lab	46.8025, -19.7510, -8.0592




Details

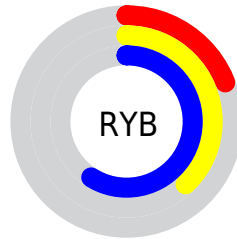
The XYZ color **16.2965, 21.9047, 32.2233** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6456, 9.7325, 4.0130**, and the grayscale version is **16.1121, 16.9512, 18.4598**.




A 20% lighter version of the original color is **36.7209, 46.6411, 64.1940**, and **5.9083, 8.2132, 13.0783** is the 20% darker color. If you saturate the color by 10%, you get **15.4943, 21.2008, 32.1301**, and if you desaturate by 10%, it is **17.3433, 22.7391, 32.3296**.

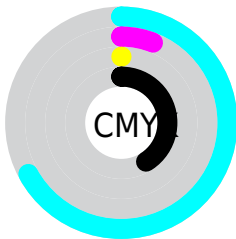
Distribution







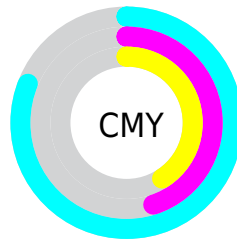
-  Red (19%)
-  Green (55%)
-  Blue (59%)






-  Red (19%)
-  Yellow (38%)
-  Blue (59%)



-  Cyan (67%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (41%)



-  Cyan (81%)
-  Magenta (45%)
-  Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2965, 21.9047, 32.2233 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 16.2965, 21.9047, 32.2233 by changing the saturation by 10% instead.

■ 16.2965, 21.9047,
32.2233

■ 16.2965, 21.9047,
32.2233

224.3212,
262.0482, 326.6592

■ 9.8264, 13.7869,
21.2659

■ 36.6655, 46.5884,
64.2630

■ 5.3454, 7.9726,
13.1254

■ 51.2951, 63.9232,
86.1823

■ 2.4881, 4.0774,
7.3832

■ 69.3752, 85.0990,
112.5927

■ 0.8893, 1.7170,
3.6208

■ 91.2712, 110.5003,
143.9126

■ 0.0000, 0.4346,
1.4197

■ 117.3484,
140.5114, 180.5607

■ 0.0000, 0.0000,
0.1570

147.9723,

■ 0.0000, 0.0000,

175.5169, 222.9555

0.0000

183.5081,
215.9010, 271.5155

■ 16.2965, 21.9047,
32.2233

■ 16.2965, 21.9047,
32.2233

■ 15.4943, 21.2008,
32.1301

■ 17.3433, 22.7391,
32.3296

■ 14.9095, 20.6121,
32.0473

■ 18.6542, 23.7128,
32.4484

■ 14.4998, 20.1171,
31.9734

■ 20.2490, 24.8364,
32.5813

■ 14.3990, 19.9899,
31.9541

■ 22.1452, 26.1189,
32.7289

■ 24.3587, 27.5686,
32.8920

■ 26.9044, 29.1932,
33.0714

■ 29.7963, 30.9998,
33.2677

■ 33.0474, 32.9952,
33.4815

■ 36.6701, 35.1858,
33.7134

Harmonies

Analogous

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



15.7409, 21.9047, 23.3782



16.2965, 21.9047, 32.2233



18.0312, 21.9047, 40.1282

Triad

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



16.2965, 21.9047, 32.2233



25.9184, 21.9047, 33.2402



20.9862, 21.9047, 11.2097

Complementary

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



16.2965, 21.9047, 32.2233



14.6456, 9.7325, 4.0130

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.



23.8820, 21.9047, 12.7047



16.2965, 21.9047, 32.2233



26.8881, 21.9047, 24.3291

Square

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



16.2965, 21.9047, 32.2233



23.5683, 21.9047, 40.8045



26.1110, 21.9047, 17.0704



18.2937, 21.9047, 12.3948

Rectangle

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



16.2965, 21.9047, 32.2233



19.7112, 21.9047, 43.0929



26.1110, 21.9047, 17.0704



21.9691, 21.9047, 11.4070

Sweetspot

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



16.2972, 21.9055, 32.2238



41.7290, 47.8357, 57.9551



12.9225, 22.7658, 7.6394



9.0264, 10.4564, 12.8274



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2972, 21.9055, 32.2238



26.7552, 36.8431, 56.6225



10.5205, 10.3522, 30.2983



5.9204, 6.4748, 7.4075



11.9540, 16.6028, 26.5057



0.1567, 0.2240, 0.3279

Inverse Universe

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



18.4843, 10.6044, 26.2727



31.0720, 16.0426, 44.5390



18.4864, 17.4141, 5.2933



6.0133, 5.9004, 7.1760



14.1609, 6.8694, 20.1261



0.1786, 0.0862, 0.2740

Previews

White Background



This preview shows how the XYZ color 16.2965, 21.9047, 32.2233 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 16.2965, 21.9047, 32.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

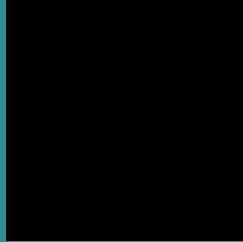
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2965, 21.9047, 32.2233

Background



This preview shows how black text looks on a background with the XYZ color 16.2965, 21.9047, 32.2233.



This preview shows how white text looks on a background with the XYZ color 16.2965, 21.9047,

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

16.2965, 21.9047, 32.2233

Protanopia

21.1495, 21.6139, 28.2565

Deuteranopia

21.9855, 21.5563, 33.1390



Tritanopia

16.5078, 21.9949, 33.0811

Trichromacy



Original Color

16.2965, 21.9047, 32.2233

Protanomaly

18.4309, 21.1688, 29.5001

Deuteranomaly

18.9294, 21.1522, 32.7909

Tritanomaly

16.4262, 21.9622, 32.6515

Monochromacy



Original Color

16.2965, 21.9047, 32.2233

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.4183, 18.1980, 23.1220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2965, 21.9047, 32.2233 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(49, 141, 150)` looks like.

```
.text, #text, p{  
    color:rgb(49, 141, 150)  
}
```

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(49, 141, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 141, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.2965, 21.9047, 32.2233 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(49, 141, 150) }
```


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

```
.border{ border-color:rgb(49, 141, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 141, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 141, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 141, 150);  
box-shadow:4px 4px 4px 4px rgb(49, 141,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2965, 21.9047, 32.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 141, 150) }
```

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

```
.background{ background-color: rgb(49, 141,  
150) }
```

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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