

Converting Colors

XYZ(16.5504, 21.1851, 31.6506)

Have a look what the booklet for
XYZ(16.5504, 21.1851, 31.6506)
contains.

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Color

**XYZ(16.5504, 21.1851,
31.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	418995
RGB	65, 137, 149
RGB Percent	25%, 54%, 58%
CMY	0.7451, 0.4627, 0.4157
CMYK	0.56, 0.08, 0.00, 0.42
HSL	189°, 39%, 42%
HSV	189°, 56%, 58%
XYZ	16.5504, 21.1851, 31.6506
YIQ	116.8400, -46.7640, -11.5320

Conversions

Conversions Part 2

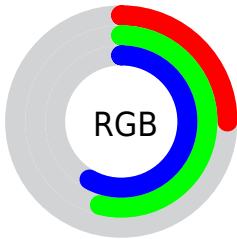
Format	Color
RYB	65, 104, 149
Decimal	4295061
CIELab	53.15, -18.86, -13.26
CIELCh	53, 23.054, 215.110
Yxy	21.1851, 0.2385, 0.3053
Android (android.graphics.Color)	4282485141 (0xFF418995)
YUV	116.8400, 15.8549, -45.4637
Hunter-Lab	46.0273, -16.3630, -8.5516

Details

The XYZ color **16.5504, 21.1851, 31.6506** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0028, 12.0792, 6.4895**, and the grayscale version is **16.8224, 17.6985, 19.2737**.

A 20% lighter version of the original color is **37.1560, 45.5665, 63.3368**, and **5.6128, 7.6982, 12.7454** is the 20% darker color. If you saturate the color by 10%, you get **15.3918, 20.1435, 31.5110**, and if you desaturate by 10%, it is **17.9765, 22.3744, 31.8054**.

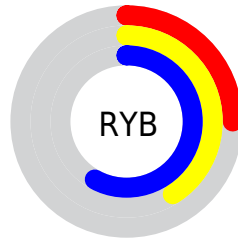
Distribution



Red (25%)

Green (54%)

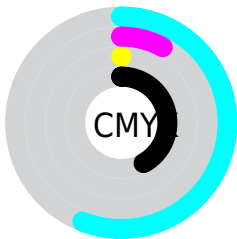
Blue (58%)



Red (25%)

Yellow (41%)

Blue (58%)

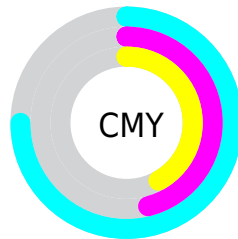


Cyan (56%)

Magenta (8%)

Yellow (0%)

Black (42%)



Cyan (75%)

Magenta (46%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5504, 21.1851, 31.6506 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 16.5504, 21.1851, 31.6506 by changing the saturation by 10% instead.

■ 16.5504, 21.1851,
31.6506

■ 16.5504, 21.1851,
31.6506

■ 225.7751,
258.2606, 323.9681

■ 10.0078, 13.2594,
20.8322

■ 37.1009, 45.3954,
63.3545

■ 5.4664, 7.6074,
12.8113

■ 51.8395, 62.4487,
85.0770

■ 2.5610, 3.8448,
7.1696

■ 70.0408, 83.3134,
111.2712

■ 0.9261, 1.5871,
3.4883

■ 92.0701, 108.3738,
142.3558

■ 0.0000, 0.3489,
1.3491

■ 118.2928,
138.0143, 178.7493

■ 0.0000, 0.0000,
0.1015

149.0744,

■ 0.0000, 0.0000,

172.6194, 220.8701

0.0000

184.7800,
212.5733, 269.1368

■ 16.5504, 21.1851,
31.6506

■ 16.5504, 21.1851,
31.6506

■ 15.3918, 20.1435,
31.5110

■ 17.9765, 22.3744,
31.8054

■ 14.4777, 19.2364,
31.3841

■ 19.6869, 23.7186,
31.9747

■ 13.7846, 18.4519,
31.2692

■ 21.6991, 25.2274,
32.1599

■ 13.2756, 17.7711,
31.1646

■ 24.0289, 26.9089,
32.3616

■ 13.1073, 17.5347,
31.1279

■ 26.6908, 28.7707,
32.5807

■ 29.6983, 30.8198,
32.8177

■ 33.0644, 33.0629,
33.0732

■ 36.8013, 35.5063,
33.3479

■ 40.9205, 38.1561,
33.6423

Harmonies

Analogous

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



15.8314, 21.1851, 24.2794



16.5504, 21.1851, 31.6506



18.2327, 21.1851, 37.4586

Triad

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



16.5504, 21.1851, 31.6506



24.6784, 21.1851, 29.1695



19.7225, 21.1851, 12.1413

Complementary

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



16.5504, 21.1851, 31.6506



16.0028, 12.0792, 6.4895

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.



22.1670, 21.1851, 12.9335



16.5504, 21.1851, 31.6506



25.1572, 21.1851, 21.8956

Square

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



16.5504, 21.1851, 31.6506



22.9443, 21.1851, 35.8361



24.2049, 21.1851, 16.1951



17.5663, 21.1851, 13.7609

Rectangle

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



16.5504, 21.1851, 31.6506



19.7401, 21.1851, 39.1328



24.2049, 21.1851, 16.1951



20.5367, 21.1851, 12.1383

Sweetspot

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



16.5511, 21.1859, 31.6511



42.6015, 47.8836, 57.9184



14.2393, 23.1437, 10.5911



9.2701, 10.4896, 12.8209



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.



16.5511, 21.1859, 31.6511



27.0280, 35.5612, 56.3607



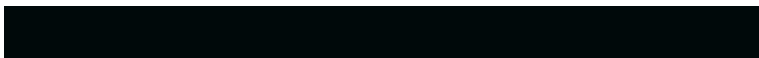
11.7699, 11.6235, 30.0574



5.8943, 6.4225, 7.3987



11.0478, 14.7904, 26.2036



0.1508, 0.2121, 0.3259

Inverse Universe

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



18.8006, 11.9768, 24.9887



31.6558, 17.9841, 42.3478



19.8510, 19.7757, 7.7723



6.0001, 5.8951, 7.1065



13.7035, 6.6865, 17.7175



0.1756, 0.0850, 0.2582

Previews

White Background



This preview shows how the XYZ color 16.5504, 21.1851, 31.6506 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 16.5504, 21.1851, 31.6506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

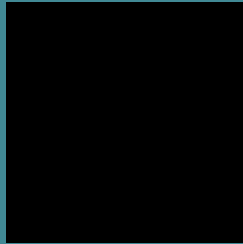
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5504, 21.1851, 31.6506

Background



This preview shows how black text looks on a background with the XYZ color 16.5504, 21.1851, 31.6506.



This preview shows how white text looks on a background with the XYZ color 16.5504, 21.1851,

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

16.5504, 21.1851, 31.6506

Protanopia

20.4535, 20.8754, 28.1506

Deuteranopia

21.3546, 20.8685, 32.6083



Tritanopia

16.4709, 21.1533, 31.2319

Trichromacy



Original Color

16.5504, 21.1851, 31.6506

Protanomaly

18.4778, 20.5977, 29.3874

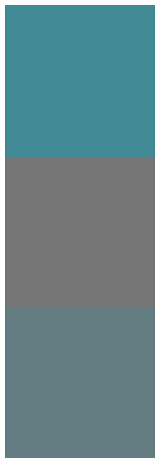
Deuteranomaly

19.0140, 20.6158, 32.2553

Tritanomaly

16.4709, 21.1533, 31.2319

Monochromacy



Original Color

16.5504, 21.1851, 31.6506

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2071, 18.5970, 23.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5504, 21.1851, 31.6506 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(65, 137, 149)` looks like.

```
.text, #text, p{  
    color:rgb(65, 137, 149)  
}
```

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(65, 137, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 137, 149) }
```

Border

The CSS property to change the border of an element to XYZ 16.5504, 21.1851, 31.6506 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(65, 137, 149) }
```


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

```
.border{ border-color:rgb(65, 137, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 137, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 137, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 137, 149);  
box-shadow:4px 4px 4px 4px rgb(65, 137,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5504, 21.1851, 31.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 137, 149) }
```

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

```
.background{ background-color: rgb(65, 137,  
149) }
```

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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