

Converting Colors

XYZ(15.9087, 20.4439, 31.3503)

Have a look what the booklet for
XYZ(15.9087, 20.4439, 31.3503)
contains.

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Color

**XYZ(15.9523, 20.4585,
31.5419)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8795
RGB	60, 135, 149
RGB Percent	24%, 53%, 58%
CMY	0.7647, 0.4706, 0.4157
CMYK	0.60, 0.09, 0.00, 0.42
HSL	189°, 43%, 41%
HSV	189°, 60%, 58%
XYZ	15.9523, 20.4585, 31.5419
YIQ	114.1710, -49.1940, -11.5460

Conversions

Conversions Part 2

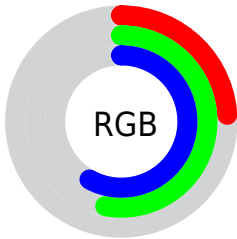
Format	Color
RYB	60, 101, 149
Decimal	3966869
CIELab	52.35, -18.82, -14.49
CIELCh	52, 23.747, 217.592
Yxy	20.4585, 0.2348, 0.3011
Android (android.graphics.Color)	4282156949 (0xFF3C8795)
YUV	114.1710, 17.1707, -47.5080
Hunter-Lab	45.2311, -16.2002, -9.6841

Details

The XYZ color **15.9523, 20.4585, 31.5419** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.6594, 11.6141, 5.6921**, and the grayscale version is **16.0069, 16.8405, 18.3393**.

A 20% lighter version of the original color is **35.9652, 43.9912, 63.0955**, and **5.4531, 7.3788, 12.6921** is the 20% darker color. If you saturate the color by 10%, you get **14.8525, 19.4118, 31.3982**, and if you desaturate by 10%, it is **17.3140, 21.6518, 31.7008**.

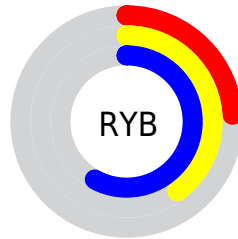
Distribution



Red (24%)

Green (53%)

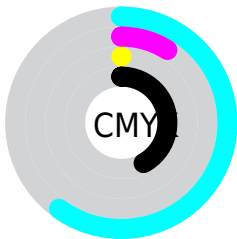
Blue (58%)



Red (24%)

Yellow (40%)

Blue (58%)

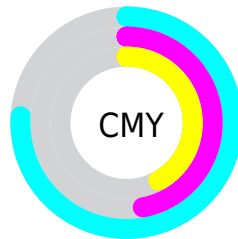


Cyan (60%)

Magenta (9%)

Yellow (0%)

Black (42%)



Cyan (76%)

Magenta (47%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9523, 20.4585, 31.5419 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 15.9523, 20.4585, 31.5419 by changing the saturation by 10% instead.

■ 15.9523, 20.4585,
31.5419

■ 15.9523, 20.4585,
31.5419

222.3360,
254.3865, 323.4553

■ 9.5810, 12.7288,
20.7499

■ 36.0735, 44.1846,
63.1818

■ 5.1822, 7.2420,
12.7519

■ 50.5541, 60.9497,
84.8668

■ 2.3904, 3.6139,
7.1292

■ 68.4686, 81.4954,
111.0198

■ 0.8403, 1.4600,
3.4634

■ 90.1823, 106.2061,
142.0595

■ 0.0000, 0.2603,
1.3358

■ 116.0605,
135.4662, 178.4044

■ 0.0000, 0.0000,
0.0909

146.4686,

■ 0.0000, 0.0000,

169.6600, 220.4729

0.0000

181.7720,
209.1720, 268.6837

■ 15.9523, 20.4585,
31.5419

■ 15.9523, 20.4585,
31.5419

■ 14.8525, 19.4118,
31.3982

■ 17.3140, 21.6518,
31.7008

■ 13.9908, 18.4981,
31.2673

■ 18.9552, 22.9994,
31.8745

■ 13.3422, 17.7048,
31.1483

■ 20.8940, 24.5113,
32.0641

■ 12.8432, 16.9990,
31.0384

■ 23.1465, 26.1958,
32.2705

■ 12.8300, 16.9801,
31.0355

■ 25.7276, 28.0607,
32.4944

■ 28.6512, 30.1131,
32.7365

■ 31.9305, 32.3600,
32.9974

■ 35.5778, 34.8078,
33.2776

■ 39.6049, 37.4626,
33.5778

Harmonies

Analogous

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



15.1468, 20.4585, 24.1027



15.9523, 20.4585, 31.5419



17.7073, 20.4585, 37.1886

Triad

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



15.9523, 20.4585, 31.5419



24.1242, 20.4585, 27.8136



18.8306, 20.4585, 11.4163

Complementary

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



15.9523, 20.4585, 31.5419



15.6594, 11.6141, 5.6921

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.



21.2933, 20.4585, 12.0016



15.9523, 20.4585, 31.5419



24.4883, 20.4585, 20.5437

Square

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



15.9523, 20.4585, 31.5419



22.4569, 20.4585, 34.7406



23.4140, 20.4585, 15.0294



16.7155, 20.4585, 13.2185

Rectangle

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



15.9523, 20.4585, 31.5419



19.2483, 20.4585, 38.6208



23.4140, 20.4585, 15.0294



19.6434, 20.4585, 11.3484

Sweetspot

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



15.9529, 20.4593, 31.5424



42.0467, 47.3486, 57.8443



13.8258, 22.9418, 10.0647



9.0629, 10.3057, 12.7964



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.



15.9529, 20.4593, 31.5424



25.9748, 34.1260, 56.1392



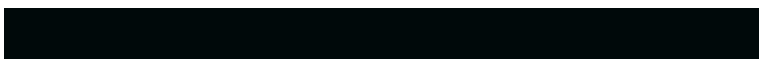
11.0430, 10.6393, 29.9057



5.8872, 6.4085, 7.3964



10.8157, 14.3262, 26.1262



0.1492, 0.2089, 0.3254

Inverse Universe

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



18.3841, 11.3713, 24.1483



30.9604, 17.0787, 40.6194



19.6714, 19.6381, 7.0295



5.9965, 5.8937, 7.0879



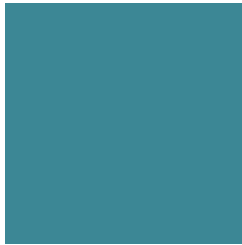
13.5864, 6.6396, 17.1006



0.1748, 0.0847, 0.2540

Previews

White Background



This preview shows how the XYZ color 15.9523, 20.4585, 31.5419 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 15.9523, 20.4585, 31.5419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

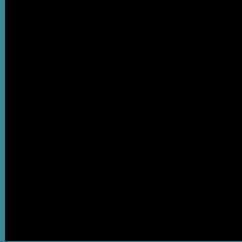
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9523, 20.4585, 31.5419

Background



This preview shows how black text looks on a background with the XYZ color 15.9523, 20.4585, 31.5419.



This preview shows how white text looks on a background with the XYZ color 15.9523, 20.4585,

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

15.9523, 20.4585, 31.5419

Protanopia

19.7758, 20.1540, 28.0471

Deuteranopia

20.6531, 20.3236, 32.5401



Tritanopia

15.6559, 20.3331, 30.2937

Trichromacy



Original Color

15.9523, 20.4585, 31.5419

Protanomaly

17.7690, 19.8450, 29.2795

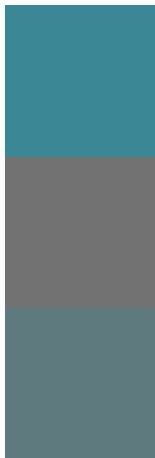
Deuteranomaly

18.3209, 20.0658, 32.1856

Tritanomaly

15.7341, 20.3643, 30.7052

Monochromacy



Original Color

15.9523, 20.4585, 31.5419

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4064, 17.8311, 22.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9523, 20.4585, 31.5419 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(60, 135, 149)` looks like.

```
.text, #text, p{  
    color:rgb(60, 135, 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(60, 135, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 135, 149) }
```

Border

The CSS property to change the border of an element to XYZ 15.9523, 20.4585, 31.5419 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(60, 135, 149) }
```


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

```
.border{ border-color:rgb(60, 135, 149) }
```

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

Here you see how a box with a 4 pixel rgb(60, 135, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 135, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 135, 149);  
box-shadow:4px 4px 4px 4px rgb(60, 135,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9523, 20.4585, 31.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 135, 149) }
```

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

```
.background{ background-color: rgb(60, 135,  
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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