

Converting Colors

XYZ(15.4473, 22.6879, 21.0768)

Have a look what the booklet for
XYZ(15.4473, 22.6879, 21.0768)
contains.

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Color

**XYZ(15.3796, 22.5748,
20.9995)**

Conversions

Conversions Part 1

Format	Color
Hex	3D9177
RGB	61, 145, 119
RGB Percent	24%, 57%, 47%
CMY	0.7608, 0.4314, 0.5333
CMYK	0.58, 0.00, 0.18, 0.43
HSL	161°, 41%, 40%
HSV	161°, 58%, 57%
XYZ	15.3796, 22.5748, 20.9995
YIQ	116.9200, -41.7180, -25.8940

Conversions

Conversions Part 2

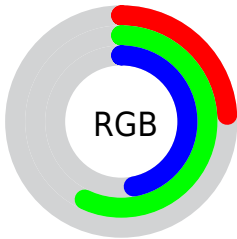
Format	Color
RYB	61, 111, 145
Decimal	4034935
CIELab	54.63, -31.98, 6.23
CIELCh	55, 32.585, 168.985
Yxy	22.5748, 0.2609, 0.3829
Android (android.graphics.Color)	4282225015 (0xFF3D9177)
YUV	116.9200, 1.0254, -49.0418
Hunter-Lab	47.5129, -25.3685, 7.0544

Details

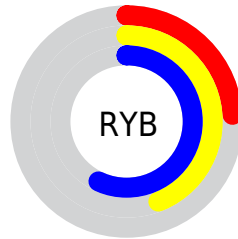
The XYZ color **15.3796, 22.5748, 20.9995** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0668, 10.0459, 10.1625**, and the grayscale version is **16.8904, 17.7700, 19.3516**.

A 20% lighter version of the original color is **34.9766, 47.5001, 45.8531**, and **5.1400, 8.4603, 7.3233** is the 20% darker color. If you saturate the color by 10%, you get **14.3418, 22.0708, 19.5772**, and if you desaturate by 10%, it is **16.6728, 23.2101, 22.5012**.

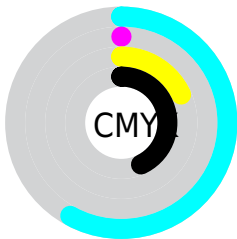
Distribution



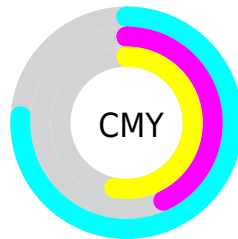
- Red (24%)
- Green (57%)
- Blue (47%)



- Red (24%)
- Yellow (44%)
- Blue (57%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (43%)



- Cyan (76%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3796, 22.5748, 20.9995 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 15.3796, 22.5748, 20.9995 by changing the saturation by 10% instead.

■ 15.3796, 22.5748,
20.9995

■ 15.3796, 22.5748,
20.9995

218.9956,
265.5335, 270.0568

■ 9.1743, 14.2799,
12.9324

■ 35.0840, 47.6942,
45.9675

■ 4.9131, 8.3156,
7.2518

■ 49.3137, 65.2874,
63.7054

■ 2.2306, 4.2975,
3.5393

■ 66.9490, 86.7489,
85.5041

■ 0.7588, 1.8414,
1.3762

■ 88.3551, 112.4630,
111.7820

■ 0.0000, 0.5128,
0.1230

■ 113.8975,
142.8141, 142.9577

■ 0.0000, 0.0000,
0.0000

143.9415,

178.1866, 179.4497

178.8524,
218.9650, 221.6765

■ 15.3796, 22.5748,
20.9995

■ 15.3796, 22.5748,
20.9995

■ 14.3418, 22.0708,
19.5772

■ 16.6728, 23.2101,
22.5012

■ 13.5373, 21.6850,
18.2309

■ 18.2373, 23.9833,
24.0825

■ 12.9435, 21.4064,
16.9591

■ 20.0901, 24.9036,
25.7455

■ 12.5147, 21.2115,
15.7587

■ 22.2461, 25.9786,
27.4918

■ 12.4318, 21.1740,
15.5185

■ 24.7191, 27.2155,
29.3228

■ 27.5222, 28.6210,
31.2400

■ 30.6675, 30.2014,
33.2449

■ 34.1669, 31.9627,
35.3386

■ 38.0312, 33.9105,
37.5226

Harmonies

Analogous

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



16.6667, 22.5748, 13.7720



15.3796, 22.5748, 20.9995



15.5789, 22.5748, 31.5740

Triad

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



15.3796, 22.5748, 20.9995



23.7769, 22.5748, 48.3572



26.3031, 22.5748, 12.4957

Complementary

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



15.3796, 22.5748, 20.9995



15.0668, 10.0459, 10.1625

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.



28.6531, 22.5748, 18.7038



15.3796, 22.5748, 20.9995



27.0862, 22.5748, 39.9359

Square

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



15.3796, 22.5748, 20.9995



20.1670, 22.5748, 49.4802



28.9547, 22.5748, 28.5462



22.8002, 22.5748, 9.8539

Rectangle

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



15.3796, 22.5748, 20.9995



16.5345, 22.5748, 39.2002



28.9547, 22.5748, 28.5462



27.2700, 22.5748, 14.1393

Sweetspot

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



15.3802, 22.5757, 21.0000



40.0774, 46.6417, 49.4166



14.9551, 22.6439, 7.9976



8.7559, 10.2961, 10.8693



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.3802, 22.5757, 21.0000



25.1288, 39.2569, 34.1923



14.9655, 18.8963, 29.6477



5.4901, 6.0883, 6.5470



10.6747, 18.1658, 13.3731



0.1120, 0.1776, 0.1801

Inverse Universe

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



15.0668, 10.0459, 10.1625



24.5368, 14.5407, 12.9446



15.1321, 11.5814, 5.8530



5.4734, 5.4499, 5.9907



10.4308, 5.3293, 2.6539



0.1087, 0.0546, 0.0728

Previews

White Background



This preview shows how the XYZ color 15.3796, 22.5748, 20.9995 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 15.3796, 22.5748, 20.9995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

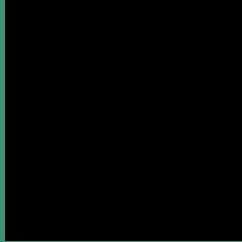
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.3796, 22.5748, 20.9995

Background



This preview shows how black text looks on a background with the XYZ color 15.3796, 22.5748, 20.9995.



This preview shows how white text looks on a background with the XYZ color 15.3796, 22.5748,

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

15.3796, 22.5748, 20.9995

Protanopia

21.1684, 22.4313, 18.2529

Deuteranopia

22.5858, 22.1170, 21.8175



Tritanopia

17.7181, 22.4009, 33.0957

Trichromacy



Original Color

15.3796, 22.5748, 20.9995

Protanomaly

18.0079, 21.7941, 19.1771

Deuteranomaly

18.7035, 21.4851, 21.5736

Tritanomaly

16.7905, 22.4684, 28.2628

Monochromacy



Original Color

15.3796, 22.5748, 20.9995

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.7892, 19.0281, 19.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3796, 22.5748, 20.9995 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(61, 145, 119)` looks like.

```
.text, #text, p{  
    color:rgb(61, 145, 119)  
}
```

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(61, 145, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 145, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.3796, 22.5748, 20.9995 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(61, 145, 119) }
```


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

```
.border{ border-color:rgb(61, 145, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 145, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 145, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 145, 119);  
box-shadow:4px 4px 4px 4px rgb(61, 145,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3796, 22.5748, 20.9995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 145, 119) }
```

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

```
.background{ background-color: rgb(61, 145,  
119) }
```

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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