

Converting Colors

XYZ(19.8716, 29.7395, 4.6930)

Have a look what the booklet for
XYZ(19.8716, 29.7395, 4.6930)
contains.

XYZ(19.7793, 29.6391, 4.6784)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.7793, 29.6391,
4.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	70A300
RGB	112, 163, 0
RGB Percent	44%, 64%, 0%
CMY	0.5608, 0.3608, 0.9999
CMYK	0.31, 0.00, 1.00, 0.36
HSL	79°, 100%, 32%
HSV	79°, 100%, 64%
XYZ	19.7793, 29.6391, 4.6784
YIQ	129.1690, 21.9270, -61.5050

Conversions

Conversions Part 2

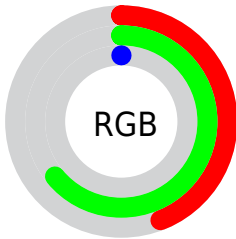
Format	Color
RYB	0, 163, 51
Decimal	7381760
CIELab	61.34, -37.07, 63.30
CIELCh	61, 73.354, 120.356
Yxy	29.6391, 0.3656, 0.5479
Android (android.graphics.Color)	4285571840 (0xFF70A300)
YUV	129.1690, -63.6803, -15.0572
Hunter-Lab	54.4418, -30.4222, 33.0142

Details

The XYZ color **19.7793, 29.6391, 4.6784** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.9774, 3.3490, 34.8780**, and the grayscale version is **21.1378, 22.2386, 24.2179**.

A 20% lighter version of the original color is **42.4225, 58.9487, 15.4457**, and **7.3153, 12.2096, 1.9711** is the 20% darker color. If you saturate the color by 10%, you get **19.7794, 29.6401, 4.6786**, and if you desaturate by 10%, it is **20.5434, 30.0229, 5.2148**.

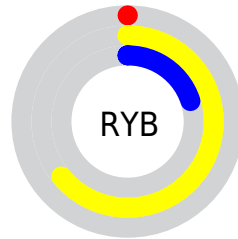
Distribution



Red (44%)

Green (64%)

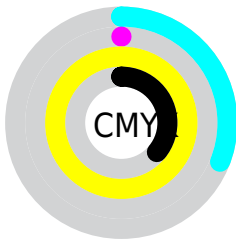
Blue (0%)



Red (0%)

Yellow (64%)

Blue (20%)

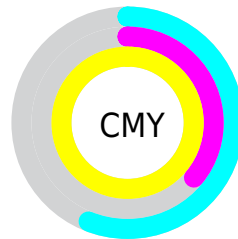


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (56%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7793, 29.6391, 4.6784 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 19.7793, 29.6391, 4.6784 by changing the saturation by 10% instead.

■ 19.7793, 29.6391,
4.6784

■ 19.7793, 29.6391,
4.6784

243.5742,
300.2186, 155.4912

■ 12.3420, 19.5648,
2.0044

■ 42.5536, 59.0910,
15.5464

■ 7.0509, 12.0791,
0.5580

■ 58.6214, 79.2373,
24.5775

■ 3.5406, 6.7976,
0.0000

■ 78.2968, 103.5099,
36.5646

■ 1.4457, 3.3358,
0.0000

■ 101.9450,
132.2929, 51.9265

■ 0.2884, 1.3095,
0.0000

■ 129.9315,
165.9709, 71.0815


■ 0.0000, 0.1485,
0.0000


■ 162.6217,


■ 0.0000, 0.0000,


204.9283, 94.4483


0.0000


 200.3808,
249.5494, 122.4453


 19.7793, 29.6391,
4.6784


 19.7793, 29.6391,
4.6784


 19.7794, 29.6401,
4.6786

 20.5434, 30.0229,
5.2148

 21.4216, 30.4556,
6.1601

 22.4479, 30.9519,
7.6874

 23.6371, 31.5179,
9.8714

 25.0017, 32.1585,
12.7757

■ 26.5531, 32.8784,
16.4563

■ 28.3012, 33.6816,
20.9637

■ 30.2554, 34.5720,
26.3442

■ 32.4243, 35.5530,
32.6407

Harmonies

Analogous

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



28.0556, 29.6391, 2.9390



19.7793, 29.6391, 4.6784



14.9026, 29.6391, 12.4473

Triad

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



19.7793, 29.6391, 4.6784



19.9380, 29.6391, 104.2169



51.1589, 29.6391, 31.9418

Complementary

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



19.7793, 29.6391, 4.6784



7.9774, 3.3490, 34.8780

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.



47.6214, 29.6391, 66.4308



19.7793, 29.6391, 4.6784



28.2869, 29.6391, 120.1973

Square

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



19.7793, 29.6391, 4.6784



14.9784, 29.6391, 67.3637



38.6531, 29.6391, 103.4947



47.4574, 29.6391, 12.1457

Rectangle

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



19.7793, 29.6391, 4.6784



13.5271, 29.6391, 24.1471



38.6531, 29.6391, 103.4947



50.7692, 29.6391, 42.0411

Sweetspot

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



19.7800, 29.6404, 4.6790



50.4964, 60.2331, 37.0460



16.1996, 9.9761, 1.0721



11.0511, 13.3951, 7.5593



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.7800, 29.6404, 4.6790



35.2072, 52.9701, 8.3686



13.7127, 26.5126, 4.3951



7.4328, 8.1256, 7.5567



15.4197, 23.0597, 3.6383



0.3692, 0.5078, 0.0786

Inverse Universe

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



7.9774, 3.3490, 34.8780



14.1019, 5.9021, 62.4521



15.8796, 7.4227, 35.2478



6.8993, 6.9625, 8.8833



6.2415, 2.6241, 27.1073



0.1779, 0.0792, 0.5718

Previews

White Background



This preview shows how the XYZ color 19.7793, 29.6391, 4.6784 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 19.7793, 29.6391, 4.6784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

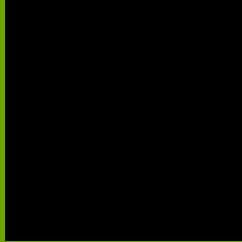
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7793, 29.6391, 4.6784

Background



This preview shows how black text looks on a background with the XYZ color 19.7793, 29.6391, 4.6784.



This preview shows how white text looks on a background with the XYZ color 19.7793, 29.6391,

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

19.7793, 29.6391, 4.6784

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.8751, 29.2942, 5.3761



Tritanopia

26.8312, 29.7260, 39.4455

Trichromacy



Original Color

19.7793, 29.6391, 4.6784

Protanomaly

23.4239, 28.9855, 4.3602

Deuteranomaly

25.0142, 28.6012, 4.8640

Tritanomaly

22.4132, 28.9140, 17.4964

Monochromacy



Original Color

19.7793, 29.6391, 4.6784

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.2162, 23.8699, 11.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7793, 29.6391, 4.6784 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(112, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 163, 0)  
}
```

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(112, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7793, 29.6391, 4.6784 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(112, 163, 0) }
```


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

```
.border{ border-color:rgb(112, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 163,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7793, 29.6391, 4.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 163, 0) }
```

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

```
.background{ background-color: rgb(112,  
163, 0) }
```

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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