

Converting Colors

XYZ(10.4868, 19.9090, 4.0877)

Have a look what the booklet for
XYZ(10.4868, 19.9090, 4.0877)
contains.

XYZ(10.5422, 19.9981, 4.1150)	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(10.5422, 19.9981,
4.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	1F8F17
RGB	31, 143, 23
RGB Percent	12%, 56%, 9%
CMY	0.8784, 0.4392, 0.9098
CMYK	0.78, 0.00, 0.84, 0.44
HSL	116°, 72%, 33%
HSV	116°, 84%, 56%
XYZ	10.5422, 19.9981, 4.1150
YIQ	95.8320, -28.2320, -61.0640

Conversions

Conversions Part 2

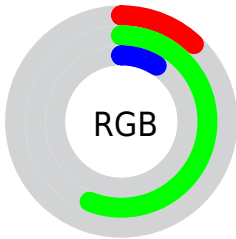
Format	Color
R_{YB}	23, 143, 135
Decimal	2068247
CIE _{Lab}	51.84, -52.16, 49.84
CIE _{LCh}	52, 72.142, 136.302
Yxy	19.9981, 0.3042, 0.5771
Android (android.graphics.Color)	4280258327 (0xFF1F8F17)
YUV	95.8320, -35.9062, -56.8577
Hunter-Lab	44.7192, -36.1787, 25.8477

Details

The XYZ color **10.5422, 19.9981, 4.1150** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.2577, 7.7479, 26.6790**, and the grayscale version is **11.1672, 11.7488, 12.7944**.

A 20% lighter version of the original color is **26.4990, 43.4796, 14.2035**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **10.1136, 19.7901, 3.5368**, and if you desaturate by 10%, it is **11.2153, 20.3245, 5.1075**.

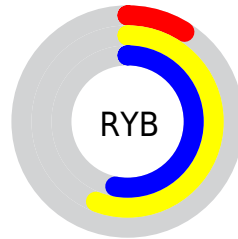
Distribution



Red (12%)

Green (56%)

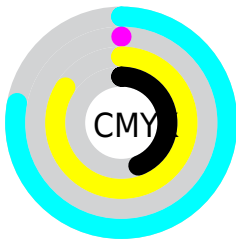
Blue (9%)



Red (9%)

Yellow (56%)

Blue (53%)

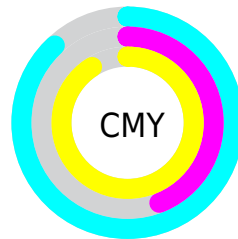


Cyan (78%)

Magenta (0%)

Yellow (84%)

Black (44%)



Cyan (88%)


Magenta (44%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.5422, 19.9981, 4.1150 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 10.5422, 19.9981, 4.1150 by changing the saturation by 10% instead.


 10.5422, 19.9981,
4.1150


 10.5422, 19.9981,
4.1150


188.4731,
251.9048, 149.4951


 5.8249, 12.3937,
1.6886


 26.4510, 43.4140,
14.2741


 2.7786, 7.0124,
0.3529


 38.3732, 59.9942,
22.8440


 1.0378, 3.4698,
0.0000

 53.4277, 80.3352,
34.2987

 0.0000, 1.3817,
0.0000

 71.9800, 104.8213,
49.0570


 0.0000, 0.2032,
0.0000


 94.3953, 133.8369,
67.5372


 0.0000, 0.0000,
0.0000


 121.0390,


167.7665, 90.1579


 152.2765,
206.9943, 117.3377


 10.5422, 19.9981,
4.1150


 10.5422, 19.9981,
4.1150


 10.1136, 19.7901,
3.5368


 11.2153, 20.3245,
5.1075

 9.9421, 19.7072,
3.2799

 12.1611, 20.7806,
6.5726

 13.4052, 21.3792,
8.5599

 14.9697, 22.1309,
11.1123

 16.8749, 23.0452,
14.2682

■ 19.1392, 24.1308,
18.0627

■ 21.7797, 25.3959,
22.5283

■ 24.8126, 26.8482,
27.6952

■ 28.2528, 28.4948,
33.5917

Harmonies

Analogous

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



15.3255, 19.9981, 1.4786



10.5422, 19.9981, 4.1150



8.3533, 19.9981, 13.5589

Triad

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



10.5422, 19.9981, 4.1150



15.8668, 19.9981, 89.0690



35.9615, 19.9981, 12.3093

Complementary

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



10.5422, 19.9981, 4.1150



15.2577, 7.7479, 26.6790

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.



36.2153, 19.9981, 32.7775



10.5422, 19.9981, 4.1150



23.2368, 19.9981, 87.8621

Square

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



10.5422, 19.9981, 4.1150



10.8504, 19.9981, 65.8296



31.1021, 19.9981, 63.1588



30.4784, 19.9981, 3.7031

Rectangle

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



10.5422, 19.9981, 4.1150



8.1725, 19.9981, 26.5040



31.1021, 19.9981, 63.1588



36.7018, 19.9981, 17.6441

Sweetspot

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



10.5427, 19.9989, 4.1154



33.5737, 42.8771, 31.1680



20.1473, 23.2305, 4.2330



7.3977, 9.6881, 6.6413



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.



10.5427, 19.9989, 4.1154



17.7478, 35.2621, 5.8709



11.4465, 20.3360, 9.9794



5.3741, 6.0455, 5.7730



8.7976, 17.4279, 2.9002



0.0894, 0.1694, 0.0280

Inverse Universe

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



15.2577, 7.7479, 26.6790



26.2784, 12.5213, 47.5699



13.5232, 7.2083, 10.5771



5.5913, 5.4930, 6.7943



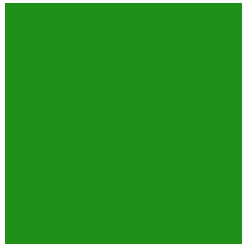
13.0095, 6.2002, 23.4882



0.1313, 0.0628, 0.2249

Previews

White Background



This preview shows how the XYZ color 10.5422, 19.9981, 4.1150 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 10.5422, 19.9981, 4.1150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

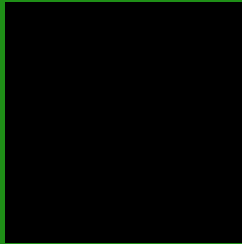
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.5422, 19.9981, 4.1150

Background



This preview shows how black text looks on a background with the XYZ color 10.5422, 19.9981, 4.1150.



This preview shows how white text looks on a background with the XYZ color 10.5422, 19.9981,

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

10.5422, 19.9981, 4.1150

Protanopia

17.6654, 19.6097, 3.3843

Deuteranopia

20.0376, 19.7325, 4.5864



Tritanopia

15.6683, 19.9469, 29.4099

Trichromacy



Original Color

10.5422, 19.9981, 4.1150

Protanomaly

13.2458, 18.6649, 3.5207

Deuteranomaly

14.0420, 18.2827, 4.2277

Tritanomaly

12.7141, 19.5683, 15.1635

Monochromacy



Original Color

10.5422, 19.9981, 4.1150

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

9.6518, 13.6176, 7.7500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5422, 19.9981, 4.1150 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(31, 143, 23)` looks like.

```
.text, #text, p{  
    color:rgb(31, 143, 23)  
}
```

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(31, 143, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 143, 23) }
```

Border

The CSS property to change the border of an element to XYZ 10.5422, 19.9981, 4.1150 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(31, 143, 23) }
```


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

```
.border{ border-color:rgb(31, 143, 23) }
```

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

Here you see how a box with a 4 pixel rgb(31, 143, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 143, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 143, 23);  
box-shadow:4px 4px 4px 4px rgb(31, 143,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5422, 19.9981, 4.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 143, 23) }
```

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

```
.background{ background-color: rgb(31, 143,  
23) }
```

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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