

Converting Colors

XYZ(10.2179, 19.0585, 4.2056)

Have a look what the booklet for
XYZ(10.2179, 19.0585, 4.2056)
contains.

XYZ(10.2690, 19.1926, 4.2002)	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(10.2690, 19.1926,
4.2002)**

Conversions

Conversions Part 1

Format	Color
Hex	238C1B
RGB	35, 140, 27
RGB Percent	14%, 55%, 11%
CMY	0.8627, 0.4510, 0.8941
CMYK	0.75, 0.00, 0.81, 0.45
HSL	116°, 68%, 33%
HSV	116°, 81%, 55%
XYZ	10.2690, 19.1926, 4.2002
YIQ	95.7230, -26.3070, -57.4030

Conversions

Conversions Part 2

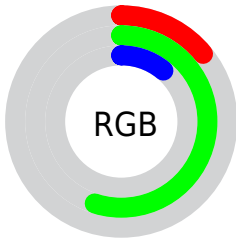
Format	Color
R_{YB}	27, 140, 132
Decimal	2329627
CIE _{Lab}	50.91, -50.27, 47.79
CIE _{LCh}	51, 69.361, 136.451
Yxy	19.1926, 0.3051, 0.5702
Android (android.graphics.Color)	4280519707 (0xFF238C1B)
YUV	95.7230, -33.8804, -53.2541
Hunter-Lab	43.8094, -34.8256, 24.9822

Details

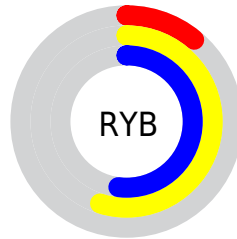
The XYZ color **10.2690, 19.1926, 4.2002** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.6429, 7.5838, 25.5040**, and the grayscale version is **11.1355, 11.7154, 12.7580**.

A 20% lighter version of the original color is **26.0373, 42.2210, 14.5617**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.7818, 18.9565, 3.5243**, and if you desaturate by 10%, it is **10.9981, 19.5457, 5.2913**.

Distribution



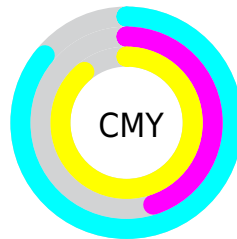
- Red (14%)
- Green (55%)
- Blue (11%)



- Red (11%)
- Yellow (55%)
- Blue (52%)



- Cyan (75%)
- Magenta (0%)
- Yellow (81%)
- Black (45%)



- Cyan (86%)
- Magenta (45%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2690, 19.1926, 4.2002 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 10.2690, 19.1926, 4.2002 by changing the saturation by 10% instead.

■ 10.2690, 19.1926,
4.2002

■ 10.2690, 19.1926,
4.2002

186.5951,
247.5100, 150.4253

■ 5.6413, 11.8095,
1.7358

■ 25.9454, 42.0593,
14.4689

■ 2.6668, 6.6141,
0.3851

■ 37.7247, 58.3117,
23.1103

■ 0.9801, 3.2220,
0.0000

■ 52.6187, 78.2894,
34.6478

■ 0.0000, 1.2487,
0.0000

■ 70.9926, 102.3766,
49.4999


■ 0.0000, 0.1009,
0.0000


■ 93.2119, 130.9579,
68.0851


■ 0.0000, 0.0000,
0.0000


■ 119.6418,


164.4177, 90.8221


 150.6478,
203.1402, 118.1293


 10.2690, 19.1926,
4.2002


 10.2690, 19.1926,
4.2002


 9.7818, 18.9565,
3.5243


 10.9981, 19.5457,
5.2913

 9.5025, 18.8209,
3.1320

 11.9938, 20.0255,
6.8482

 13.2790, 20.6436,
8.9158

 14.8741, 21.4096,
11.5333

 16.7972, 22.3322,
14.7359

■ 19.0655, 23.4193,
18.5562

■ 21.6947, 24.6785,
23.0242

■ 24.6995, 26.1168,
28.1679

■ 28.0940, 27.7409,
34.0138

Harmonies

Analogous

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



14.7628, 19.1926, 1.5859



10.2690, 19.1926, 4.2002



8.2054, 19.1926, 13.2525

Triad

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



10.2690, 19.1926, 4.2002



15.3291, 19.1926, 83.1327



33.9996, 19.1926, 11.9373

Complementary

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



10.2690, 19.1926, 4.2002



14.6429, 7.5838, 25.5040

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.



34.2616, 19.1926, 31.0300



10.2690, 19.1926, 4.2002



22.2289, 19.1926, 81.8982

Square

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



10.2690, 19.1926, 4.2002



10.5938, 19.1926, 61.8509



29.5404, 19.1926, 59.1094



28.8951, 19.1926, 3.7538

Rectangle

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



10.2690, 19.1926, 4.2002



8.0404, 19.1926, 25.4251



29.5404, 19.1926, 59.1094



34.6941, 19.1926, 16.9420

Sweetspot

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



10.2695, 19.1934, 4.2006



32.0212, 40.5255, 30.0269



19.0744, 21.7765, 4.2351



7.0881, 9.1989, 6.4301



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.2695, 19.1934, 4.2006



16.8106, 33.2072, 5.6796



11.0696, 19.4856, 9.6716



5.0025, 5.6240, 5.3743



8.4503, 16.7263, 2.7831



0.0599, 0.1130, 0.0187

Inverse Universe

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



14.6429, 7.5838, 25.5040



24.6866, 11.8498, 44.7291



13.1800, 7.1487, 11.0226



5.1995, 5.1113, 6.3184



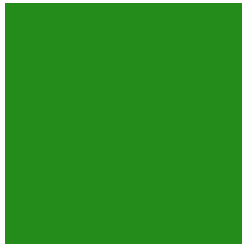
12.4058, 5.9095, 22.5325



0.0873, 0.0418, 0.1499

Previews

White Background



This preview shows how the XYZ color 10.2690, 19.1926, 4.2002 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 10.2690, 19.1926, 4.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

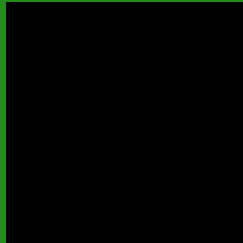
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.2690, 19.1926, 4.2002

Background



This preview shows how black text looks on a background with the XYZ color 10.2690, 19.1926, 4.2002.



This preview shows how white text looks on a background with the XYZ color 10.2690, 19.1926,

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

10.2690, 19.1926, 4.2002

Protanopia

17.1355, 18.9669, 3.5169

Deuteranopia

19.1460, 18.7604, 4.5315



Tritanopia

15.0371, 19.0466, 28.0831

Trichromacy



Original Color

10.2690, 19.1926, 4.2002



Protanomaly

13.0296, 18.1569, 3.6821



Deuteranomaly

13.6930, 17.5385, 4.2537



Tritanomaly

12.4009, 18.7825, 15.0284

Monochromacy



Original Color

10.2690, 19.1926, 4.2002



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.7555, 13.4991, 8.0527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2690, 19.1926, 4.2002 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(35, 140, 27)` looks like.

```
.text, #text, p{  
    color:rgb(35, 140, 27)  
}
```

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(35, 140, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 140, 27) }
```

Border

The CSS property to change the border of an element to XYZ 10.2690, 19.1926, 4.2002 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(35, 140, 27) }
```


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

```
.border{ border-color:rgb(35, 140, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 140, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 140, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 140, 27);  
box-shadow:4px 4px 4px 4px rgb(35, 140,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2690, 19.1926, 4.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 140, 27) }
```

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

```
.background{ background-color: rgb(35, 140,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor