

Converting Colors

XYZ(5.8458, 17.3685, 3.1977)

Have a look what the booklet for
XYZ(5.8458, 17.3685, 3.1977)
contains.

XYZ(9.7004, 19.3570, 3.3686)	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(9.7004, 19.3570,
3.3686)**

Conversions

Conversions Part 1

Format	Color
Hex	008E05
RGB	0, 142, 5
RGB Percent	0%, 56%, 2%
CMY	1.0000, 0.4431, 0.9803
CMYK	1.00, 0.00, 0.96, 0.44
HSL	122°, 100%, 28%
HSV	122°, 100%, 56%
XYZ	9.7004, 19.3570, 3.3686
YIQ	83.9240, -40.6550, -72.7110

Conversions

Conversions Part 2

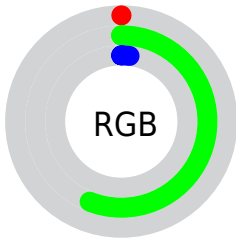
Format	Color
RYB	0, 137, 142
Decimal	36357
CIELab	51.10, -55.57, 52.91
CIELCh	51, 76.730, 136.407
Yxy	19.3570, 0.2992, 0.5970
Android (android.graphics.Color)	4278226437 (0xFF008E05)
YUV	83.9240, -38.9095, -73.6013
Hunter-Lab	43.9966, -37.6382, 26.2581

Details

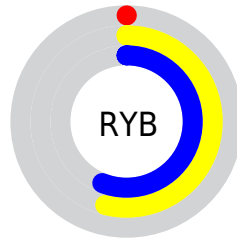
The XYZ color **9.7004, 19.3570, 3.3686** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.6706, 7.5569, 24.2966**, and the grayscale version is **8.4955, 8.9380, 9.7335**.

A 20% lighter version of the original color is **24.8782, 42.3406, 12.4916**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **9.7009, 19.3578, 3.3690**, and if you desaturate by 10%, it is **9.9727, 19.4878, 3.8391**.

Distribution



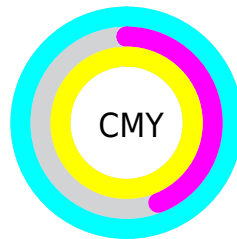
- Red (0%)
- Green (56%)
- Blue (2%)



- Red (0%)
- Yellow (54%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7004, 19.3570, 3.3686 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 9.7004, 19.3570, 3.3686 by changing the saturation by 10% instead.

■ 9.7004, 19.3570,
3.3686

■ 9.7004, 19.3570,
3.3686

182.6189,
248.4126, 140.9251

■ 5.2615, 11.9285,
1.2858

■ 24.8853, 42.3365,
12.5252

■ 2.4378, 6.6950,
0.0501

■ 36.3619, 58.6563,
20.4360

■ 0.8640, 3.2721,
0.0000

■ 50.9153, 78.7086,
31.1267

■ 0.0000, 1.2754,
0.0000

■ 68.9106, 102.8779,
45.0156


■ 0.0000, 0.1220,
0.0000


■ 90.7132, 131.5486,
62.5214


■ 0.0000, 0.0000,
0.0000


■ 116.6886,


165.1050, 84.0625


 147.2020,
203.9315, 110.0576


 9.7004, 19.3570,
3.3686


 9.7004, 19.3570,
3.3686


 9.7009, 19.3578,
3.3690

 9.9727, 19.4878,
3.8391

 10.4296, 19.7059,
4.6498

 11.1483, 20.0500,
5.8784

 12.1600, 20.5351,
7.5711

 13.4915, 21.1743,
9.7678

■ 15.1668, 21.9791,
12.5040

■ 17.2074, 22.9599,
15.8124

■ 19.6330, 24.1263,
19.7226

■ 22.4621, 25.4872,
24.2627

Harmonies

Analogous

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



14.5645, 19.3570, 1.0147



9.7004, 19.3570, 3.3686



7.5203, 19.3570, 12.6772

Triad

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



9.7004, 19.3570, 3.3686



15.1670, 19.3570, 93.7593



36.3223, 19.3570, 11.3119

Complementary

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



9.7004, 19.3570, 3.3686



15.6706, 7.5569, 24.2966

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.



36.6160, 19.3570, 32.5483



9.7004, 19.3570, 3.3686



22.8518, 19.3570, 92.3249

Square

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



9.7004, 19.3570, 3.3686



10.0360, 19.3570, 68.3730



31.1713, 19.3570, 65.2312



30.4542, 19.3570, 2.9577

Rectangle

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



9.7004, 19.3570, 3.3686



7.3462, 19.3570, 26.1109



31.1713, 19.3570, 65.2312



37.1226, 19.3570, 16.7347

Sweetspot

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



9.7009, 19.3578, 3.3690



30.0985, 40.3688, 27.4882



20.0342, 24.6880, 3.7093



6.4123, 8.8673, 5.6372



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.



9.7009, 19.3578, 3.3690



17.0930, 34.1292, 5.8728



10.9687, 19.8650, 10.0454



5.3501, 6.0323, 5.8096



8.7110, 17.3803, 3.0326



0.0845, 0.1667, 0.0355

Inverse Universe

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



15.6706, 7.5569, 24.2966



27.6194, 13.3202, 42.7737



12.1471, 6.1475, 5.7421



5.6182, 5.5078, 6.7532



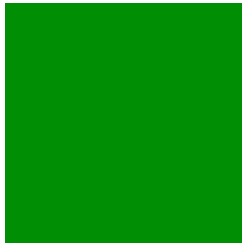
14.0707, 6.7853, 21.8215



0.1362, 0.0655, 0.2174

Previews

White Background



This preview shows how the XYZ color 9.7004, 19.3570, 3.3686 looks on a white background.

Color Contrast Check

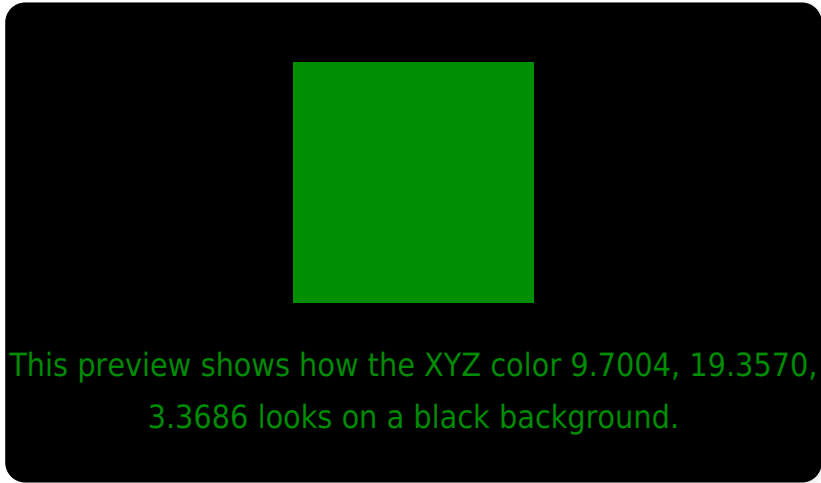
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

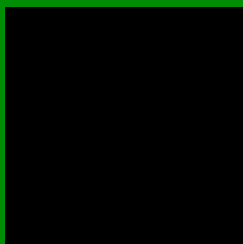
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.7004, 19.3570, 3.3686

Background



This preview shows how black text looks on a background with the XYZ color 9.7004, 19.3570, 3.3686.



This preview shows how white text looks on a background with the XYZ color 9.7004, 19.3570,

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

9.7004, 19.3570, 3.3686

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.3270, 19.0358, 3.9520



Tritanopia

15.0727, 19.4464, 28.9457

Trichromacy



Original Color

9.7004, 19.3570, 3.3686



Protanomaly

11.7917, 17.7311, 2.8584



Deuteranomaly

12.4082, 17.2665, 3.4379



Tritanomaly

11.5793, 18.8107, 13.3765

Monochromacy



Original Color

9.7004, 19.3570, 3.3686



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.2094, 11.1359, 5.3839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7004, 19.3570, 3.3686 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(0, 142, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 5)  
}
```

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(0, 142, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 5) }
```

Border

The CSS property to change the border of an element to XYZ 9.7004, 19.3570, 3.3686 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(0, 142, 5) }
```


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

```
.border{ border-color:rgb(0, 142, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 142, 5); box-shadow:4px  
4px 4px 4px rgb(0, 142, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7004, 19.3570, 3.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 5) }
```

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

```
.background{ background-color: rgb(0, 142,  
5) }
```

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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