

Converting Colors

XYZ(9.8332, 19.4998, 7.7427)

Have a look what the booklet for
XYZ(9.8332, 19.4998, 7.7427)
contains.

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Color

**XYZ(10.6920, 19.9927,
7.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	008F3E
RGB	0, 143, 62
RGB Percent	0%, 56%, 24%
CMY	1.0000, 0.4392, 0.7569
CMYK	1.00, 0.00, 0.57, 0.44
HSL	146°, 100%, 28%
HSV	146°, 100%, 56%
XYZ	10.6920, 19.9927, 7.8529
YIQ	91.0090, -59.2270, -55.5070

Conversions

Conversions Part 2

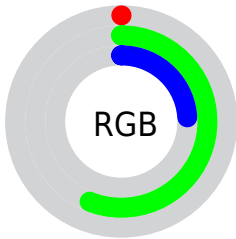
Format	Color
RYB	0, 100, 143
Decimal	36670
CIELab	51.83, -51.00, 33.70
CIELCh	52, 61.126, 146.547
Yxy	19.9927, 0.2774, 0.5188
Android (android.graphics.Color)	4278226750 (0xFF008F3E)
YUV	91.0090, -14.3014, -79.8149
Hunter-Lab	44.7132, -35.5645, 20.8862

Details

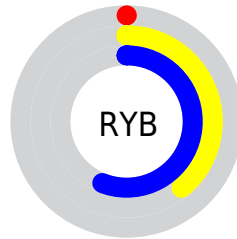
The XYZ color **10.6920, 19.9927, 7.8529** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.8137, 6.4342, 8.3528**, and the grayscale version is **9.9880, 10.5081, 11.4434**.

A 20% lighter version of the original color is **26.7749, 43.4428, 22.3034**, and **3.8137, 7.5112, 1.6296** is the 20% darker color. If you saturate the color by 10%, you get **10.6922, 19.9934, 7.8526**, and if you desaturate by 10%, it is **11.1175, 20.1850, 9.1215**.

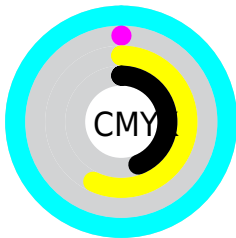
Distribution



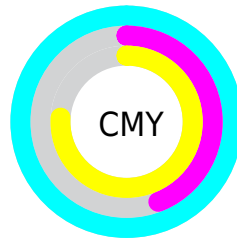
- Red (0%)
- Green (56%)
- Blue (24%)



- Red (0%)
- Yellow (39%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6920, 19.9927, 7.8529 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 10.6920, 19.9927, 7.8529 by changing the saturation by 10% instead.


 10.6920, 19.9927,
7.8529


 10.6920, 19.9927,
7.8529


189.4944,
251.8756, 184.4650


 5.9259, 12.3897,
3.9145


 26.7272, 43.4049,
22.2110


 2.8403, 7.0097,
1.5786


 38.7271, 59.9830,
33.4677


 1.0699, 3.4682,
0.2755

 53.8688, 80.3216,
48.0011

 0.0000, 1.3808,
0.0000

 72.5179, 104.8050,
66.2295

 0.0000, 0.2025,
0.0000

 95.0396, 133.8178,
88.5716

 0.0000, 0.0000,
0.0000

 121.7994,

167.7442, 115.4458

153.1625,
206.9687, 147.2707

■ 10.6920, 19.9927,
7.8529

■ 10.6920, 19.9927,
7.8529

■ 10.6922, 19.9934,
7.8526

■ 11.1175, 20.1850,
9.1215

■ 11.7010, 20.4542,
10.5774

■ 12.5073, 20.8341,
12.2306

■ 13.5607, 21.3371,
14.0888

■ 14.8823, 21.9739,
16.1591

■ 16.4906, 22.7541,
18.4481

■ 18.4027, 23.6861,
20.9622

■ 20.6339, 24.7779,
23.7076

■ 23.1988, 26.0368,
26.6902

Harmonies

Analogous

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



14.1579, 19.9927, 3.2855



10.6920, 19.9927, 7.8529



9.4155, 19.9927, 19.7767

Triad

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



10.6920, 19.9927, 7.8529



18.2936, 19.9927, 76.7095



31.7831, 19.9927, 9.7992

Complementary

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



10.6920, 19.9927, 7.8529



12.8137, 6.4342, 8.3528

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.



33.5551, 19.9927, 23.8900



10.6920, 19.9927, 7.8529



24.8426, 19.9927, 68.8073

Square

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



10.6920, 19.9927, 7.8529



13.1604, 19.9927, 64.4735



30.7822, 19.9927, 46.5278



26.3591, 19.9927, 3.9035

Rectangle

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



10.6920, 19.9927, 7.8529



9.7141, 19.9927, 33.0091



30.7822, 19.9927, 46.5278



32.8704, 19.9927, 13.4225

Sweetspot

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



10.6925, 19.9935, 7.8534



32.7191, 42.3014, 37.2382



13.2195, 21.3967, 3.4335



7.1944, 9.5500, 8.1405



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.



10.6925, 19.9935, 7.8534



19.0646, 35.7707, 13.6261



14.0891, 21.3521, 25.7395



5.4339, 6.0658, 6.2507



9.4638, 17.6814, 6.9966



0.1012, 0.1733, 0.1234

Inverse Universe

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



12.8137, 6.4342, 8.3528



22.8590, 11.4870, 14.4976



11.3805, 5.8609, 0.8055



5.5288, 5.4720, 6.2825



11.3398, 5.6929, 7.4406



0.1195, 0.0589, 0.1295

Previews

White Background



This preview shows how the XYZ color 10.6920, 19.9927, 7.8529 looks on a white background.

Color Contrast Check

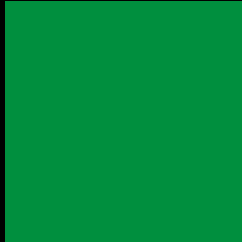
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6920, 19.9927, 7.8529 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 10.6920, 19.9927, 7.8529

Background



This preview shows how black text looks on a background with the XYZ color 10.6920, 19.9927, 7.8529.



This preview shows how white text looks on a background with the XYZ color 10.6920, 19.9927,

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

10.6920, 19.9927, 7.8529

Protanopia

17.9501, 19.6857, 6.5950

Deuteranopia

20.0131, 19.6363, 8.3656



Tritanopia

15.2668, 19.9353, 29.8313

Trichromacy



Original Color

10.6920, 19.9927, 7.8529



Protanomaly

12.6768, 18.2970, 6.8665



Deuteranomaly

13.1635, 17.7480, 7.8862



Tritanomaly

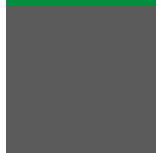
12.7677, 19.5042, 19.3114

Monochromacy



Original Color

10.6920, 19.9927, 7.8529



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.7688, 12.6306, 9.5652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6920, 19.9927, 7.8529 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, 143, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 62)  
}
```

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, 143, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 62) }
```

Border

The CSS property to change the border of an element to XYZ 10.6920, 19.9927, 7.8529 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, 143, 62) }
```


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

```
.border{ border-color:rgb(0, 143, 62) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.6920, 19.9927, 7.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 62) }
```

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

```
.background{ background-color: rgb(0, 143,  
62) }
```

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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