

Converting Colors

XYZ(10.7347, 19.8033, 8.7146)

Have a look what the booklet for
XYZ(10.7347, 19.8033, 8.7146)
contains.

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Color

**XYZ(10.7164, 19.7634,
8.7187)**

Conversions

Conversions Part 1

Format	Color
Hex	008E44
RGB	0, 142, 68
RGB Percent	0%, 56%, 27%
CMY	1.0000, 0.4431, 0.7333
CMYK	1.00, 0.00, 0.52, 0.44
HSL	149°, 100%, 28%
HSV	149°, 100%, 56%
XYZ	10.7164, 19.7634, 8.7187
YIQ	91.1060, -60.8780, -53.1180

Conversions

Conversions Part 2

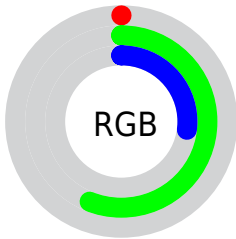
Format	Color
RYB	0, 96, 142
Decimal	36420
CIELab	51.57, -49.69, 30.29
CIELCh	52, 58.200, 148.633
Yxy	19.7634, 0.2734, 0.5042
Android (android.graphics.Color)	4278226500 (0xFF008E44)
YUV	91.1060, -11.3913, -79.9000
Hunter-Lab	44.4560, -34.7696, 19.4913

Details

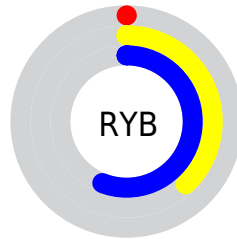
The XYZ color **10.7164, 19.7634, 8.7187** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.3920, 6.2456, 7.0318**, and the grayscale version is **10.0037, 10.5246, 11.4613**.

A 20% lighter version of the original color is **26.8035, 43.0795, 24.0420**, and **3.7915, 7.3665, 1.9315** is the 20% darker color. If you saturate the color by 10%, you get **10.7168, 19.7641, 8.7188**, and if you desaturate by 10%, it is **11.1415, 19.9553, 9.9935**.

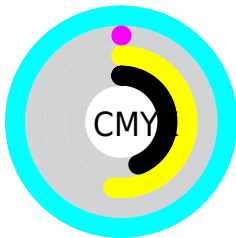
Distribution



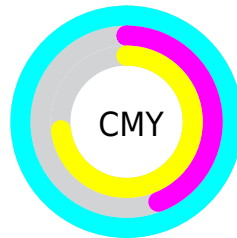
- Red (0%)
- Green (56%)
- Blue (27%)



- Red (0%)
- Yellow (38%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7164, 19.7634, 8.7187 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 10.7164, 19.7634, 8.7187 by changing the saturation by 10% instead.


 10.7164, 19.7634,
8.7187


 10.7164, 19.7634,
8.7187


189.6602,
250.6314, 191.4055


 5.9424, 12.2232,
4.4639


 26.7722, 43.0202,
23.9248


 2.8504, 6.8959,
1.8831


 38.7846, 59.5055,
35.7132


 1.0751, 3.3971,
0.4820

 53.9405, 79.7413,
50.8498

 0.0042, 1.3424,
0.0000

 72.6053, 104.1119,
69.7532

 0.0000, 0.1737,
0.0000

 95.1443, 133.0019,
92.8419

 0.0000, 0.0000,
0.0000

 121.9229,

166.7955, 120.5345

153.3064,
205.8772, 153.2495

■ 10.7164, 19.7634,
8.7187

■ 10.7164, 19.7634,
8.7187

■ 10.7168, 19.7641,
8.7188

■ 11.1415, 19.9553,
9.9935

■ 11.7171, 20.2209,
11.4291

■ 12.5073, 20.5935,
13.0339

■ 13.5356, 21.0853,
14.8137

■ 14.8223, 21.7066,
16.7741

■ 16.3856, 22.4666,
18.9202

■ 18.2417, 23.3737,
21.2571

■ 20.4058, 24.4355,
23.7895

■ 22.8918, 25.6591,
26.5221

Harmonies

Analogous

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



13.8884, 19.7634, 3.8099



10.7164, 19.7634, 8.7187



9.6258, 19.7634, 20.7590

Triad

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



10.7164, 19.7634, 8.7187



18.5172, 19.7634, 72.5450



30.5035, 19.7634, 9.4687

Complementary

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



10.7164, 19.7634, 8.7187



12.3920, 6.2456, 7.0318

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.



32.4414, 19.7634, 22.2973



10.7164, 19.7634, 8.7187



24.7142, 19.7634, 64.0525

Square

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



10.7164, 19.7634, 8.7187



13.5115, 19.7634, 62.4741



30.1340, 19.7634, 43.0499



25.2770, 19.7634, 4.0576

Rectangle

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



10.7164, 19.7634, 8.7187



10.0066, 19.7634, 33.5561



30.1340, 19.7634, 43.0499



31.6036, 19.7634, 12.7716

Sweetspot

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



10.7169, 19.7642, 8.7192



31.9457, 41.1077, 37.2153



12.6330, 20.8725, 3.3631



6.8544, 9.0442, 7.9655



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.



10.7169, 19.7642, 8.7192



18.8156, 34.8183, 14.9438



14.2082, 21.1607, 27.1039



5.4437, 6.0697, 6.3023



9.6309, 17.7482, 7.8765



0.1031, 0.1741, 0.1334

Inverse Universe

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



12.3920, 6.2456, 7.0318



21.7681, 10.9797, 11.9615



11.1818, 5.7615, 0.6588



5.5189, 5.4681, 6.2304



11.1350, 5.6110, 6.3622



0.1176, 0.0581, 0.1195

Previews

White Background



This preview shows how the XYZ color 10.7164, 19.7634, 8.7187 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 10.7164, 19.7634, 8.7187 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 10.7164, 19.7634, 8.7187

Background



This preview shows how black text looks on a background with the XYZ color 10.7164, 19.7634, 8.7187.



This preview shows how white text looks on a background with the XYZ color 10.7164, 19.7634,

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

10.7164, 19.7634, 8.7187

Protanopia

17.7935, 19.4069, 7.2230

Deuteranopia

19.8440, 19.5265, 9.3797



Tritanopia

15.2115, 19.9068, 29.8287

Trichromacy



Original Color

10.7164, 19.7634, 8.7187



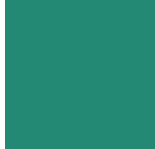
Protanomaly

12.6134, 18.0491, 7.6695



Deuteranomaly

13.2466, 17.7693, 8.8625



Tritanomaly

12.8497, 19.5330, 19.9226

Monochromacy



Original Color

10.7164, 19.7634, 8.7187



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.8822, 12.6759, 10.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7164, 19.7634, 8.7187 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 68) }
```

Border

The CSS property to change the border of an element to XYZ 10.7164, 19.7634, 8.7187 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, 68) }
```


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

```
.border{ border-color:rgb(0, 142, 68) }
```

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, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7164, 19.7634, 8.7187 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, 68) }
```

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

```
.background{ background-color: rgb(0, 142,  
68) }
```

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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