

Converting Colors

XYZ(12.8454, 19.8713, 11.2654)

Have a look what the booklet for
XYZ(12.8454, 19.8713, 11.2654)
contains.

XYZ(12.8966, 19.9597, 11.3565)	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(12.8966, 19.9597,
11.3565)**

Conversions

Conversions Part 1

Format	Color
Hex	428A53
RGB	66, 138, 83
RGB Percent	26%, 54%, 33%
CMY	0.7412, 0.4588, 0.6745
CMYK	0.52, 0.00, 0.40, 0.46
HSL	134°, 35%, 40%
HSV	134°, 52%, 54%
XYZ	12.8966, 19.9597, 11.3565
YIQ	110.2020, -25.2570, -32.3690

Conversions

Conversions Part 2

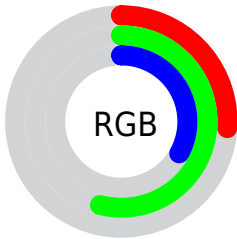
Format	Color
R_{YB}	66, 124, 138
Decimal	4360787
CIE _{Lab}	51.79, -35.27, 22.74
CIE _{LCh}	52, 41.968, 147.194
Yxy	19.9597, 0.2917, 0.4514
Android (android.graphics.Color)	4282550867 (0xFF428A53)
YUV	110.2020, -13.4106, -38.7652
Hunter-Lab	44.6763, -26.6563, 16.2022

Details

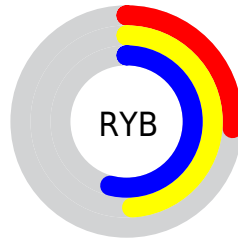
The XYZ color **12.8966, 19.9597, 11.3565** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.8813, 10.6807, 19.3145**, and the grayscale version is **14.9220, 15.6991, 17.0963**.

A 20% lighter version of the original color is **30.6910, 43.3147, 28.9333**, and **3.7672, 6.9629, 2.8957** is the 20% darker color. If you saturate the color by 10%, you get **11.7002, 19.3870, 9.3352**, and if you desaturate by 10%, it is **14.3804, 20.6745, 13.7152**.

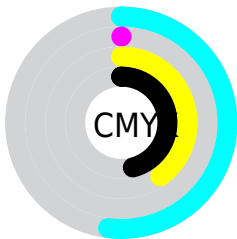
Distribution



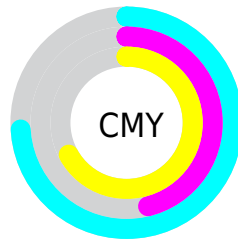
- Red (26%)
- Green (54%)
- Blue (33%)



- Red (26%)
- Yellow (49%)
- Blue (54%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)



- Cyan (74%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8966, 19.9597, 11.3565 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 12.8966, 19.9597, 11.3565 by changing the saturation by 10% instead.

■ 12.8966, 19.9597,
11.3565

■ 12.8966, 19.9597,
11.3565

203.9049,
251.6969, 210.9218

■ 7.4339, 12.3658,
6.1900

■ 30.7208, 43.3496,
28.9642

■ 3.7836, 6.9933,
2.8903

■ 43.8130, 59.9144,
42.2425

■ 1.5805, 3.4579,
1.0389

■ 60.1791, 80.2382,
59.0617

■ 0.3796, 1.3752,
0.0000

■ 80.1844, 104.7054,
79.8405

■ 0.0000, 0.1983,
0.0000

■ 104.1942,
133.7005, 104.9973

■ 0.0000, 0.0000,
0.0000

132.5741,

167.6079, 134.9508

165.6892,
206.8119, 170.1194

■ 12.8966, 19.9597,
11.3565

■ 12.8966, 19.9597,
11.3565

■ 11.7002, 19.3870,
9.3352

■ 14.3804, 20.6745,
13.7152

■ 10.7703, 18.9443,
7.6346

■ 16.1673, 21.5376,
16.4245

■ 10.0858, 18.6216,
6.2383

■ 18.2738, 22.5577,
19.4984

■ 9.6216, 18.4064,
5.1283

■ 20.7149, 23.7423,
22.9497

■ 9.3575, 18.2851,
4.4446

■ 23.5044, 25.0982,
26.7907

■ 26.6554, 26.6319,
31.0331

■ 30.1803, 28.3497,
35.6880

■ 34.0910, 30.2574,
40.7662

■ 38.3987, 32.3606,
46.2781

Harmonies

Analogous

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



15.4753, 19.9597, 6.8523



12.8966, 19.9597, 11.3565



11.9219, 19.9597, 20.6067

Triad

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



12.8966, 19.9597, 11.3565



18.5737, 19.9597, 54.5033



27.2102, 19.9597, 12.6936

Complementary

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



12.8966, 19.9597, 11.3565



15.8813, 10.6807, 19.3145

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.



28.3628, 19.9597, 22.8991



12.8966, 19.9597, 11.3565



22.9573, 19.9597, 49.9137

Square

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



12.8966, 19.9597, 11.3565



14.8780, 19.9597, 47.9452



26.7044, 19.9597, 37.0439



23.7535, 19.9597, 7.3970

Rectangle

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



12.8966, 19.9597, 11.3565



12.1846, 19.9597, 29.4135



26.7044, 19.9597, 37.0439



27.9005, 19.9597, 15.5210

Sweetspot

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



12.8971, 19.9605, 11.3570



34.6455, 40.9420, 37.8332



17.9858, 22.6506, 8.5786



7.6024, 9.1014, 8.2477



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.8971, 19.9605, 11.3570



20.2278, 33.9831, 15.7557



14.6536, 20.6631, 20.6066



5.0171, 5.6263, 5.6112



8.5843, 16.7663, 4.1015



0.0620, 0.1134, 0.0532

Inverse Universe

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



15.8813, 10.6807, 19.3145



26.0892, 15.6912, 31.3374



14.0777, 9.9592, 9.8168



5.1842, 5.1091, 6.0585



11.9731, 5.8994, 12.8948



0.0852, 0.0414, 0.1154

Previews

White Background



This preview shows how the XYZ color 12.8966, 19.9597, 11.3565 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 12.8966, 19.9597, 11.3565 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 12.8966, 19.9597, 11.3565

Background



This preview shows how black text looks on a background with the XYZ color 12.8966, 19.9597, 11.3565.



This preview shows how white text looks on a background with the XYZ color 12.8966, 19.9597,

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

12.8966, 19.9597, 11.3565

Protanopia

18.2540, 19.7701, 9.8751

Deuteranopia

20.0939, 19.7724, 11.9899



Tritanopia

16.3071, 19.8911, 28.5711

Trichromacy



Original Color

12.8966, 19.9597, 11.3565

Protanomaly

15.4371, 19.2541, 10.2999

Deuteranomaly

16.3494, 19.1210, 11.6331

Tritanomaly

14.8779, 19.9265, 21.1512

Monochromacy



Original Color

12.8966, 19.9597, 11.3565

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6328, 16.7327, 14.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8966, 19.9597, 11.3565 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(66, 138, 83)` looks like.

```
.text, #text, p{  
    color:rgb(66, 138, 83)  
}
```

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(66, 138, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 138, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.8966, 19.9597, 11.3565 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(66, 138, 83) }
```


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

```
.border{ border-color:rgb(66, 138, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 138, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 138, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 138, 83);  
box-shadow:4px 4px 4px 4px rgb(66, 138,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8966, 19.9597, 11.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 138, 83) }
```

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

```
.background{ background-color: rgb(66, 138,  
83) }
```

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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