

Converting Colors

XYZ(12.6605, 20.0989, 8.2294)

Have a look what the booklet for
XYZ(12.6605, 20.0989, 8.2294)
contains.

XYZ(12.6410, 20.1121, 8.2168)	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(12.6410, 20.1121,
8.2168)**

Conversions

Conversions Part 1

Format	Color
Hex	458B41
RGB	69, 139, 65
RGB Percent	27%, 55%, 25%
CMY	0.7294, 0.4549, 0.7451
CMYK	0.50, 0.00, 0.53, 0.45
HSL	117°, 36%, 40%
HSV	117°, 53%, 55%
XYZ	12.6410, 20.1121, 8.2168
YIQ	109.6340, -17.9660, -37.8540

Conversions

Conversions Part 2

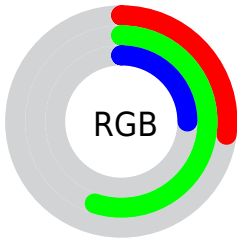
Format	Color
RYB	65, 139, 135
Decimal	4557633
CIELab	51.96, -37.73, 32.66
CIELCh	52, 49.900, 139.115
Yxy	20.1121, 0.3085, 0.4909
Android (android.graphics.Color)	4282747713 (0xFF458B41)
YUV	109.6340, -22.0046, -35.6360
Hunter-Lab	44.8465, -28.1672, 20.5294

Details

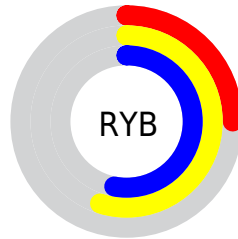
The XYZ color **12.6410, 20.1121, 8.2168** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5432, 10.7962, 25.6391**, and the grayscale version is **14.7813, 15.5510, 16.9351**.

A 20% lighter version of the original color is **30.1905, 43.5153, 23.0277**, and **3.6660, 7.0586, 1.6995** is the 20% darker color. If you saturate the color by 10%, you get **11.4554, 19.5424, 6.3120**, and if you desaturate by 10%, it is **14.1335, 20.8297, 10.6541**.

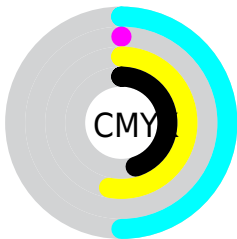
Distribution



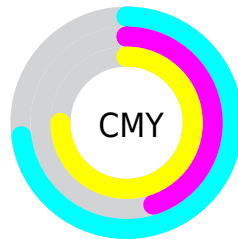
- Red (27%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (53%)
- Black (45%)



- Cyan (73%)
- Magenta (45%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6410, 20.1121, 8.2168 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 12.6410, 20.1121, 8.2168 by changing the saturation by 10% instead.

■ 12.6410, 20.1121,
8.2168

■ 12.6410, 20.1121,
8.2168

202.2883,
252.5213, 187.4204

■ 7.2571, 12.4766,
4.1442

■ 30.2641, 43.6050,
22.9355

■ 3.6712, 7.0691,
1.7048

■ 43.2341, 60.2312,
34.4188

■ 1.5178, 3.5054,
0.3640

■ 59.4634, 80.6231,
49.2093

■ 0.3379, 1.4009,
0.0000

■ 79.3175, 105.1650,
67.7257

■ 0.0000, 0.2174,
0.0000

■ 103.1617,
134.2414, 90.3864

■ 0.0000, 0.0000,
0.0000

131.3613,

168.2367, 117.6101

164.2817,
207.5352, 149.8152

■ 12.6410, 20.1121,
8.2168

■ 12.6410, 20.1121,
8.2168

■ 11.4554, 19.5424,
6.3120

■ 14.1335, 20.8297,
10.6541

■ 10.5539, 19.1081,
4.8989

■ 15.9505, 21.7018,
13.6583

■ 9.9132, 18.7985,
3.9325

■ 18.1102, 22.7377,
17.2624

■ 9.5052, 18.6004,
3.3592

■ 20.6291, 23.9450,
21.4964

■ 9.3270, 18.5145,
3.0821

■ 23.5222, 25.3313,
26.3885

■ 26.8042, 26.9032,
31.9649

■ 30.4887, 28.6672,
38.2507

■ 34.5886, 30.6297,
45.2695

■ 39.1164, 32.7965,
53.0438

Harmonies

Analogous

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



16.0923, 20.1121, 4.6744



12.6410, 20.1121, 8.2168



11.0384, 20.1121, 17.0290

Triad

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



12.6410, 20.1121, 8.2168



17.3299, 20.1121, 62.4615



29.9111, 20.1121, 13.9557

Complementary

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



12.6410, 20.1121, 8.2168



16.5432, 10.7962, 25.6391

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.



30.4027, 20.1121, 27.6180



12.6410, 20.1121, 8.2168



22.4965, 20.1121, 60.3949

Square

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



12.6410, 20.1121, 8.2168



13.4084, 20.1121, 50.5894



27.4930, 20.1121, 45.7888



26.2493, 20.1121, 6.8267

Rectangle

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



12.6410, 20.1121, 8.2168



11.0021, 20.1121, 26.6361



27.4930, 20.1121, 45.7888



30.4742, 20.1121, 17.7592

Sweetspot

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



12.6415, 20.1129, 8.2172



35.4676, 42.1732, 36.0119



20.1368, 22.9403, 8.3679



7.9832, 9.6269, 7.9794



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.



12.6415, 20.1129, 8.2172



20.1242, 34.8081, 10.6861



13.5740, 20.4543, 14.5588



4.9953, 5.6203, 5.3739



8.4226, 16.7120, 2.7818



0.0588, 0.1125, 0.0186

Inverse Universe

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



16.5432, 10.7962, 25.6391



27.8781, 16.2289, 45.4061



15.1888, 10.3302, 15.0856



5.2076, 5.1155, 6.3188



12.7272, 6.0752, 22.5475



0.0883, 0.0423, 0.1500

Previews

White Background



This preview shows how the XYZ color 12.6410, 20.1121, 8.2168 looks on a white background.

Color Contrast Check

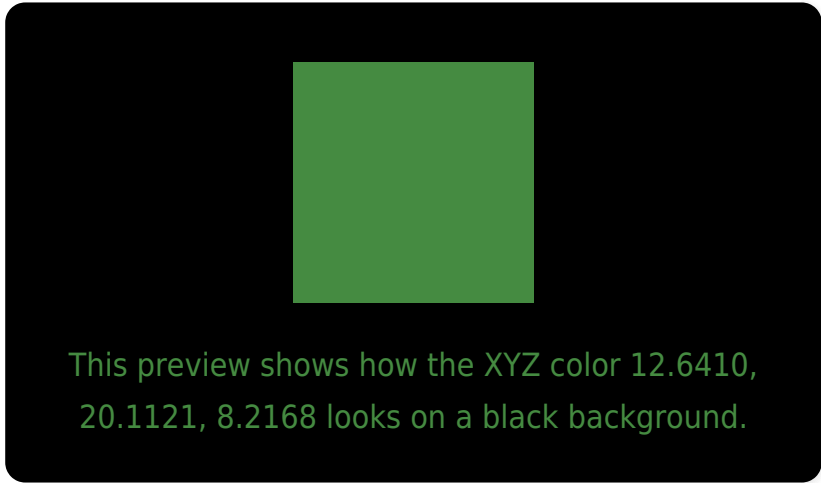
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6410, 20.1121, 8.2168

Background



This preview shows how black text looks on a background with the XYZ color 12.6410, 20.1121, 8.2168.



This preview shows how white text looks on a background with the XYZ color 12.6410, 20.1121,

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

12.6410, 20.1121, 8.2168

Protanopia

18.0519, 19.7264, 7.1311

Deuteranopia

20.1934, 19.8958, 8.7372



Tritanopia

16.6703, 20.0870, 28.1979

Trichromacy



Original Color

12.6410, 20.1121, 8.2168

Protanomaly

15.4018, 19.4931, 7.5082

Deuteranomaly

16.4202, 19.4163, 8.5125

Tritanomaly

14.7302, 19.9047, 18.6884

Monochromacy



Original Color

12.6410, 20.1121, 8.2168

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.5771, 16.9158, 13.1392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6410, 20.1121, 8.2168 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(69, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(69, 139, 65)  
}
```

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(69, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 139, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.6410, 20.1121, 8.2168 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(69, 139, 65) }
```


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

```
.border{ border-color:rgb(69, 139, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 139, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(69, 139,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6410, 20.1121, 8.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 139, 65) }
```

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

```
.background{ background-color: rgb(69, 139,  
65) }
```

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