

Converting Colors

XYZ(20.1748, 23.5969, 18.3908)

Have a look what the booklet for
XYZ(20.1748, 23.5969, 18.3908)
contains.

XYZ(20.1261, 23.5356, 18.5210)	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(20.1261, 23.5356,
18.5210)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8A6F
RGB	123, 138, 111
RGB Percent	48%, 54%, 44%
CMY	0.5176, 0.4588, 0.5647
CMYK	0.11, 0.00, 0.20, 0.46
HSL	93°, 11%, 49%
HSV	93°, 20%, 54%
XYZ	20.1261, 23.5356, 18.5210
YIQ	130.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

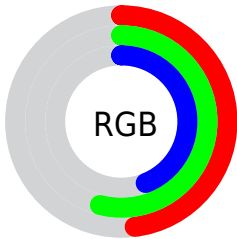
Format	Color
RYB	111, 138, 126
Decimal	8096367
CIELab	55.62, -10.69, 12.67
CIElCh	56, 16.574, 130.153
Yxy	23.5356, 0.3237, 0.3785
Android (android.graphics.Color)	4286286447 (0xFF7B8A6F)
YUV	130.4370, -9.5824, -6.5222
Hunter-Lab	48.5135, -10.8469, 11.3243

Details

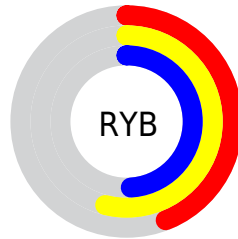
The XYZ color **20.1261, 23.5356, 18.5210** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.8770, 17.6401, 26.4560**, and the grayscale version is **21.4065, 22.5213, 24.5257**.

A 20% lighter version of the original color is **43.1462, 49.1361, 41.8605**, and **7.2110, 8.7942, 6.0200** is the 20% darker color. If you saturate the color by 10%, you get **18.3701, 22.7122, 14.7741**, and if you desaturate by 10%, it is **22.0867, 24.4523, 22.8913**.

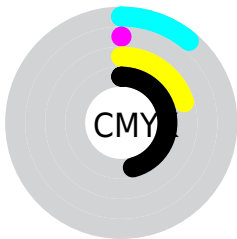
Distribution



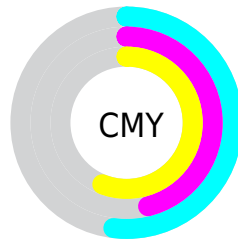
- Red (48%)
- Green (54%)
- Blue (44%)



- Red (44%)
- Yellow (54%)
- Blue (49%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (46%)



- Cyan (52%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1261, 23.5356, 18.5210 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 20.1261, 23.5356, 18.5210 by changing the saturation by 10% instead.

■ 20.1261, 23.5356,
18.5210

■ 20.1261, 23.5356,
18.5210

245.4175,
270.4641, 256.1255

■ 12.5955, 14.9895,
11.1514

■ 43.1308, 49.2713,
41.7490

■ 7.2257, 8.8120,
6.0533

■ 59.3357, 67.2297,
58.4444

■ 3.6512, 4.6188,
2.8082

■ 79.1627, 89.0943,
79.0856

■ 1.5068, 2.0254,
0.9976

■ 102.9773,
115.2494, 104.0909

■ 0.3304, 0.6221,
0.0000

131.1446,
146.0796, 133.8791

■ 0.0000, 0.0000,
0.0000

164.0303,

181.9692, 168.8685

201.9994,
223.3026, 209.4778

■ 20.1261, 23.5356,
18.5210

■ 20.1261, 23.5356,
18.5210

■ 18.3701, 22.7122,
14.7741

■ 22.0867, 24.4523,
22.8913

■ 16.8095, 21.9758,
11.6207

■ 24.2570, 25.4623,
27.9101

■ 15.4371, 21.3243,
9.0308

■ 26.6441, 26.5694,
33.6029

■ 14.2446, 20.7538,
6.9709

■ 29.2544, 27.7763,
39.9934

■ 13.2226, 20.2606,
5.4042

■ 32.0938, 29.0856,
47.1041

■ 12.3611, 19.8403,
4.2892

■ 35.1680, 30.4998,
54.9566

■ 11.6485, 19.4879,
3.5774

■ 38.4827, 32.0213,
63.5716

■ 11.0576, 19.1924,
3.1389

■ 42.0431, 33.6525,
72.9687

■ 11.0336, 19.1804,
3.1207

■ 45.8544, 35.3955,
83.1672

Harmonies

Analogous

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



21.7407, 23.5356, 16.7522



20.1261, 23.5356, 18.5210



19.1492, 23.5356, 22.2803

Triad

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



20.1261, 23.5356, 18.5210



21.1688, 23.5356, 36.6087



26.1071, 23.5356, 23.8500

Complementary

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



20.1261, 23.5356, 18.5210



18.8770, 17.6401, 26.4560

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.



25.9328, 23.5356, 29.2915



20.1261, 23.5356, 18.5210



23.0110, 23.5356, 37.1842

Square

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



20.1261, 23.5356, 18.5210



19.7275, 23.5356, 32.8725



24.7745, 23.5356, 34.3497



25.2382, 23.5356, 19.5318

Rectangle

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



20.1261, 23.5356, 18.5210



18.9569, 23.5356, 25.6539



24.7745, 23.5356, 34.3497



26.1697, 23.5356, 25.5987

Sweetspot

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



20.1267, 23.5366, 18.5215



40.2025, 43.6924, 43.2579



20.7931, 21.4353, 18.0808



8.9721, 9.7790, 9.5988



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.



20.1267, 23.5366, 18.5215



34.2177, 40.8960, 29.9249



18.5889, 22.7352, 18.8406



5.1690, 5.7099, 5.3821



10.1321, 17.5933, 2.8618



0.0837, 0.1253, 0.0198

Inverse Universe

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



18.8770, 17.6401, 26.4560



31.6436, 28.7525, 46.2652



20.6569, 18.5689, 26.0321



5.0229, 5.0202, 6.3101



7.0051, 3.1254, 22.2797



0.0634, 0.0295, 0.1488

Previews

White Background



This preview shows how the XYZ color 20.1261, 23.5356, 18.5210 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 20.1261, 23.5356, 18.5210 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 20.1261, 23.5356, 18.5210

Background



This preview shows how black text looks on a background with the XYZ color 20.1261, 23.5356, 18.5210.



This preview shows how white text looks on a background with the XYZ color 20.1261, 23.5356,

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

20.1261, 23.5356, 18.5210

Protanopia

22.0788, 23.5205, 17.5636

Deuteranopia

23.8367, 23.4029, 18.8837



Tritanopia

22.3237, 23.3779, 29.7214

Trichromacy



Original Color

20.1261, 23.5356, 18.5210

Protanomaly

21.2558, 23.5004, 17.8837

Deuteranomaly

22.3312, 23.4232, 18.6734

Tritanomaly

21.4330, 23.4295, 25.2225

Monochromacy



Original Color

20.1261, 23.5356, 18.5210

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7151, 22.7171, 22.0319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1261, 23.5356, 18.5210 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(123, 138, 111)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 111)  
}
```

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(123, 138, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.1261, 23.5356, 18.5210 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(123, 138, 111) }
```


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

```
.border{ border-color:rgb(123, 138, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 111);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1261, 23.5356, 18.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 111) }
```

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

```
.background{ background-color: rgb(123,  
138, 111) }
```

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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