

Converting Colors

XYZ(13.8861, 20.0252, 21.8723)

Have a look what the booklet for
XYZ(13.8861, 20.0252, 21.8723)
contains.

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Color

**XYZ(13.8861, 20.0252,
21.8723)**

Conversions

Conversions Part 1

Format	Color
Hex	33897B
RGB	51, 137, 123
RGB Percent	20%, 54%, 48%
CMY	0.8000, 0.4627, 0.5176
CMYK	0.63, 0.00, 0.10, 0.46
HSL	170°, 46%, 37%
HSV	170°, 63%, 54%
XYZ	13.8861, 20.0252, 21.8723
YIQ	109.6900, -46.7620, -22.5860

Conversions

Conversions Part 2

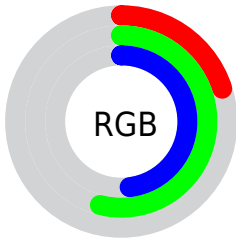
Format	Color
RYB	51, 98, 137
Decimal	3377531
CIELab	51.87, -29.18, -0.12
CIELCh	52, 29.185, 180.239
Yxy	20.0252, 0.2489, 0.3590
Android (android.graphics.Color)	4281567611 (0xFF33897B)
YUV	109.6900, 6.5618, -51.4711
Hunter-Lab	44.7495, -22.9218, 2.3454

Details

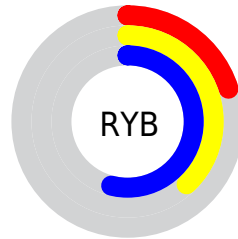
The XYZ color **13.8861, 20.0252, 21.8723** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4552, 8.0683, 5.9028**, and the grayscale version is **14.7243, 15.4911, 16.8698**.

A 20% lighter version of the original color is **32.4321, 43.4825, 47.2411**, and **4.5638, 7.1500, 7.6181** is the 20% darker color. If you saturate the color by 10%, you get **13.1570, 19.6658, 21.1179**, and if you desaturate by 10%, it is **14.8230, 20.4923, 22.6539**.

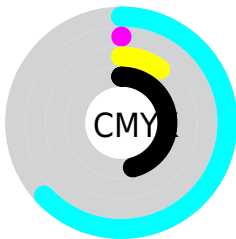
Distribution



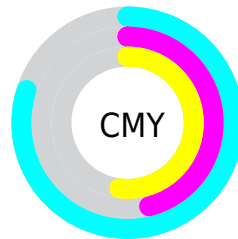
- Red (20%)
- Green (54%)
- Blue (48%)



- Red (20%)
- Yellow (38%)
- Blue (54%)



- Cyan (63%)
- Magenta (0%)
- Yellow (10%)
- Black (46%)



- Cyan (80%)
- Magenta (46%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8861, 20.0252, 21.8723 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 13.8861, 20.0252, 21.8723 by changing the saturation by 10% instead.

■ 13.8861, 20.0252,
21.8723

■ 13.8861, 20.0252,
21.8723

210.0459,
252.0515, 274.8104

■ 8.1227, 12.4134,
13.5657

■ 32.4747, 43.4594,
47.4343

■ 4.2260, 7.0259,
7.6839

■ 46.0307, 60.0506,
65.5268

■ 1.8308, 3.4783,
3.8085

■ 62.9148, 80.4037,
87.7183

■ 0.5361, 1.3862,
1.5209

■ 83.4925, 104.9031,
114.4274

■ 0.0000, 0.2065,
0.2334

■ 108.1291,
133.9332, 146.0726

■ 0.0000, 0.0000,
0.0000

■ 137.1899,

167.8783, 183.0725

171.0404,
207.1230, 225.8456

■ 13.8861, 20.0252,
21.8723

■ 13.8861, 20.0252,
21.8723

■ 13.1570, 19.6658,
21.1179

■ 14.8230, 20.4923,
22.6539

■ 12.6155, 19.4022,
20.3884

■ 15.9821, 21.0732,
23.4622

■ 12.2404, 19.2240,
19.6831

■ 17.3788, 21.7762,
24.2984

■ 12.0231, 19.1228,
19.1858

■ 19.0263, 22.6081,
25.1632

■ 20.9371, 23.5753,
26.0575

■ 23.1227, 24.6838,
26.9817

■ 25.5939, 25.9392,
27.9366

■ 28.3609, 27.3467,
28.9226

■ 31.4336, 28.9114,
29.9404

Harmonies

Analogous

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



14.5039, 20.0252, 14.6669



13.8861, 20.0252, 21.8723



14.5238, 20.0252, 31.0958

Triad

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



13.8861, 20.0252, 21.8723



22.0489, 20.0252, 39.1544



22.0034, 20.0252, 10.4861

Complementary

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



13.8861, 20.0252, 21.8723



12.4552, 8.0683, 5.9028

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.



24.3913, 20.0252, 14.5764



13.8861, 20.0252, 21.8723



24.4194, 20.0252, 30.9464

Square

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



13.8861, 20.0252, 21.8723



19.0572, 20.0252, 42.5265



25.3173, 20.0252, 21.7359



19.0096, 20.0252, 9.2200

Rectangle

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



13.8861, 20.0252, 21.8723



15.6174, 20.0252, 36.9042



25.3173, 20.0252, 21.7359



22.9143, 20.0252, 11.5133

Sweetspot

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



13.8867, 20.0260, 21.8728



35.1649, 41.0385, 45.5920



11.7460, 19.2664, 6.2322



7.7038, 9.1119, 10.1374



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.



13.8867, 20.0260, 21.8728



23.1464, 35.0138, 37.3044



11.2791, 13.3063, 25.6417



5.1385, 5.6749, 6.2501



11.2028, 17.8137, 17.8902



0.0787, 0.1201, 0.1416

Inverse Universe

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



12.4552, 8.0683, 5.9028



20.3950, 11.7708, 6.4166



13.7591, 11.2468, 4.5782



5.0639, 5.0610, 5.4252



9.7507, 5.0104, 1.1916



0.0684, 0.0347, 0.0269

Previews

White Background



This preview shows how the XYZ color 13.8861, 20.0252, 21.8723 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 13.8861, 20.0252, 21.8723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

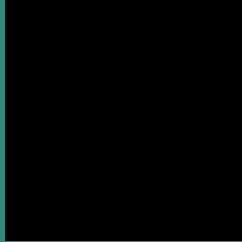
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8861, 20.0252, 21.8723

Background



This preview shows how black text looks on a background with the XYZ color 13.8861, 20.0252, 21.8723.

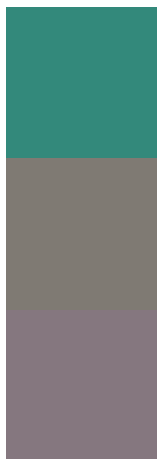


This preview shows how white text looks on a background with the XYZ color 13.8861, 20.0252,

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

13.8861, 20.0252, 21.8723

Protanopia

18.8064, 19.6689, 19.0249

Deuteranopia

20.1005, 19.7125, 22.8242



Tritanopia

15.4994, 20.0552, 29.8422

Trichromacy



Original Color

13.8861, 20.0252, 21.8723

Protanomaly

16.0050, 19.1394, 19.9903

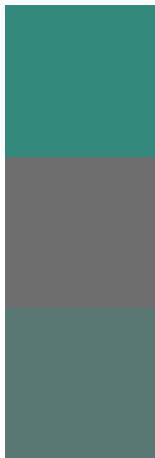
Deuteranomaly

16.8203, 19.3116, 22.5797

Tritanomaly

14.8667, 20.0039, 26.7445

Monochromacy



Original Color

13.8861, 20.0252, 21.8723

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9308, 16.7946, 18.7271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8861, 20.0252, 21.8723 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(51, 137, 123)` looks like.

```
.text, #text, p{  
    color:rgb(51, 137, 123)  
}
```

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(51, 137, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 137, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.8861, 20.0252, 21.8723 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(51, 137, 123) }
```


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

```
.border{ border-color:rgb(51, 137, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 137, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 137, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 137, 123);  
box-shadow:4px 4px 4px 4px rgb(51, 137,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8861, 20.0252, 21.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 137, 123) }
```

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

```
.background{ background-color: rgb(51, 137,  
123) }
```

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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