

Converting Colors

XYZ(13.1594, 21.0462, 20.0483)

Have a look what the booklet for
XYZ(13.1594, 21.0462, 20.0483)
contains.

XYZ(13.1585, 20.9938, 20.1883)	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(13.1585, 20.9938,
20.1883)**

Conversions

Conversions Part 1

Format	Color
Hex	0A8F75
RGB	10, 143, 117
RGB Percent	4%, 56%, 46%
CMY	0.9607, 0.4392, 0.5412
CMYK	0.93, 0.00, 0.18, 0.44
HSL	168°, 87%, 30%
HSV	168°, 93%, 56%
XYZ	13.1585, 20.9938, 20.1883
YIQ	100.2690, -70.9220, -36.2820

Conversions

Conversions Part 2

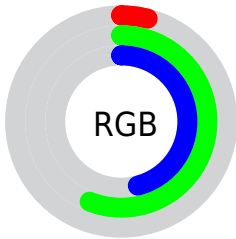
Format	Color
R_YB	10, 84, 143
Decimal	692085
CIE _{Lab}	52.94, -38.51, 4.82
CIE _{LCh}	53, 38.809, 172.863
Yxy	20.9938, 0.2421, 0.3863
Android (android.graphics.Color)	4278882165 (0xFF0A8F75)
YUV	100.2690, 8.2484, -79.1659
Hunter-Lab	45.8190, -28.9208, 5.9495

Details

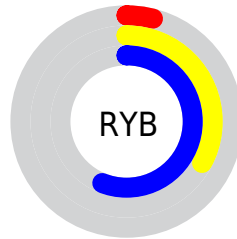
The XYZ color **13.1585, 20.9938, 20.1883** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.7554, 6.1846, 2.2443**, and the grayscale version is **12.1755, 12.8096, 13.9496**.

A 20% lighter version of the original color is **31.2860, 45.2790, 44.6269**, and **4.9013, 8.0840, 6.9323** is the 20% darker color. If you saturate the color by 10%, you get **12.9198, 20.8844, 19.5830**, and if you desaturate by 10%, it is **13.5848, 21.1948, 21.0798**.

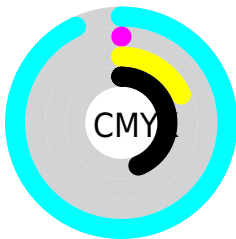
Distribution



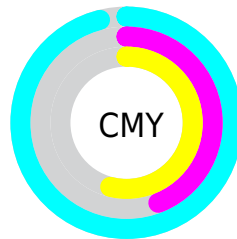
- Red (4%)
- Green (56%)
- Blue (46%)



- Red (4%)
- Yellow (33%)
- Blue (56%)



- Cyan (93%)
- Magenta (0%)
- Yellow (18%)
- Black (44%)



- Cyan (96%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1585, 20.9938, 20.1883 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 13.1585, 20.9938, 20.1883 by changing the saturation by 10% instead.

■ 13.1585, 20.9938,
20.1883

■ 13.1585, 20.9938,
20.1883

205.5481,
257.2455, 265.5706

■ 7.6155, 13.1195,
12.3466

■ 31.1871, 45.0772,
44.5958

■ 3.8997, 7.5109,
6.8548

■ 44.4035, 62.0551,
61.9986

■ 1.6455, 3.7836,
3.2944

■ 60.9084, 82.8363,
83.4255

■ 0.4218, 1.5533,
1.2468

■ 81.0672, 107.8051,
109.2951

■ 0.0000, 0.3258,
0.0176

■ 105.2452,
137.3461, 140.0258

■ 0.0000, 0.0000,
0.0000

■ 133.8078,

171.8436, 176.0363

167.1203,
211.6819, 217.7450

■ 13.1585, 20.9938,
20.1883

■ 13.1585, 20.9938,
20.1883

■ 12.9198, 20.8844,
19.5830

■ 13.5848, 21.1948,
21.0798

■ 14.1946, 21.4893,
22.0053

■ 15.0130, 21.8908,
22.9666

■ 16.0606, 22.4098,
23.9649

■ 17.3557, 23.0559,
25.0013

■ 18.9145, 23.8373,
26.0767

■ 20.7520, 24.7618,
27.1921

■ 22.8820, 25.8364,
28.3482

■ 25.3173, 27.0679,
29.5460

Harmonies

Analogous

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



14.3480, 20.9938, 11.8308



13.1585, 20.9938, 20.1883



13.5824, 20.9938, 32.7080

Triad

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



13.1585, 20.9938, 20.1883



23.1482, 20.9938, 50.3185



25.0557, 20.9938, 9.2523

Complementary

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



13.1585, 20.9938, 20.1883



11.7554, 6.1846, 2.2443

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.



28.0593, 20.9938, 15.2164



13.1585, 20.9938, 20.1883



26.8577, 20.9938, 39.2153

Square

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



13.1585, 20.9938, 20.1883



18.9984, 20.9938, 53.0496



28.7599, 20.9938, 25.7547



20.9411, 20.9938, 7.0625

Rectangle

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



13.1585, 20.9938, 20.1883



14.7547, 20.9938, 41.7225



28.7599, 20.9938, 25.7547



26.2504, 20.9938, 10.7603

Sweetspot

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



13.1591, 20.9946, 20.1888



35.2590, 43.3847, 47.5691



10.6267, 20.0537, 3.5982



7.8022, 9.8066, 10.7312



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.1591, 20.9946, 20.1888



23.0759, 37.3752, 34.7490



9.9441, 11.7693, 27.7351



5.5157, 6.0985, 6.6814



11.4305, 18.4681, 17.3532



0.1168, 0.1796, 0.2052

Inverse Universe

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



11.7554, 6.1846, 2.2443



20.6107, 10.5877, 2.6581



12.5197, 8.1352, 1.1979



5.4493, 5.4403, 5.8641



10.2070, 5.2398, 1.4757



0.1040, 0.0526, 0.0476

Previews

White Background



This preview shows how the XYZ color 13.1585, 20.9938, 20.1883 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 13.1585, 20.9938, 20.1883 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 13.1585, 20.9938, 20.1883

Background



This preview shows how black text looks on a background with the XYZ color 13.1585, 20.9938, 20.1883.



This preview shows how white text looks on a background with the XYZ color 13.1585, 20.9938,

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

13.1585, 20.9938, 20.1883

Protanopia

19.5561, 20.6555, 17.1435

Deuteranopia

20.9977, 20.5689, 21.2758



Tritanopia

15.5898, 20.8926, 32.0652

Trichromacy



Original Color

13.1585, 20.9938, 20.1883



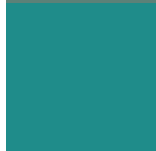
Protanomaly

15.1450, 19.7249, 18.0480



Deuteranomaly

15.6541, 19.3319, 20.6757



Tritanomaly

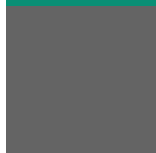
14.5306, 20.8825, 27.3096

Monochromacy



Original Color

13.1585, 20.9938, 20.1883



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

11.1616, 14.7247, 15.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1585, 20.9938, 20.1883 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(10, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(10, 143, 117)  
}
```

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(10, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 143, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.1585, 20.9938, 20.1883 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(10, 143, 117) }
```


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

```
.border{ border-color:rgb(10, 143, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 143, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 143, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 143, 117);  
box-shadow:4px 4px 4px 4px rgb(10, 143,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1585, 20.9938, 20.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 143, 117) }
```

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

```
.background{ background-color: rgb(10, 143,  
117) }
```

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