

Converting Colors

XYZ(13.8847, 20.0558, 21.3486)

Have a look what the booklet for
XYZ(13.8847, 20.0558, 21.3486)
contains.

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Color

**XYZ(13.8650, 20.0287,
21.2243)**

Conversions

Conversions Part 1

Format	Color
Hex	358979
RGB	53, 137, 121
RGB Percent	21%, 54%, 47%
CMY	0.7921, 0.4627, 0.5255
CMYK	0.61, 0.00, 0.12, 0.46
HSL	169°, 44%, 37%
HSV	169°, 61%, 54%
XYZ	13.8650, 20.0287, 21.2243
YIQ	110.0600, -44.9280, -22.7840

Conversions

Conversions Part 2

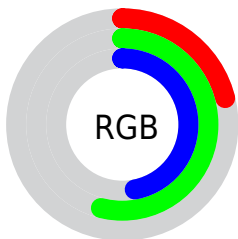
Format	Color
RYB	53, 99, 137
Decimal	3508601
CIELab	51.87, -29.33, 1.05
CIELCh	52, 29.354, 177.944
Yxy	20.0287, 0.2516, 0.3634
Android (android.graphics.Color)	4281698681 (0xFF358979)
YUV	110.0600, 5.3934, -50.0416
Hunter-Lab	44.7534, -23.0177, 3.2091

Details

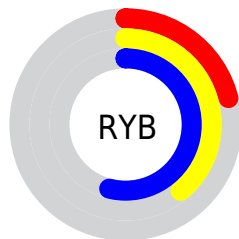
The XYZ color **13.8650, 20.0287, 21.2243** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.6644, 8.2947, 6.5643**, and the grayscale version is **14.8329, 15.6054, 16.9943**.

A 20% lighter version of the original color is **32.4803, 43.5299, 46.2254**, and **4.5304, 7.1366, 7.4421** is the 20% darker color. If you saturate the color by 10%, you get **13.0875, 19.6466, 20.3641**, and if you desaturate by 10%, it is **14.8539, 20.5202, 22.1179**.

Distribution



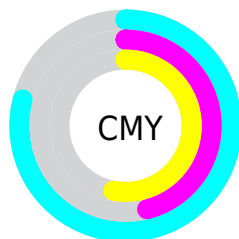
- Red (21%)
- Green (54%)
- Blue (47%)



- Red (21%)
- Yellow (39%)
- Blue (54%)



- Cyan (61%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (79%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8650, 20.0287, 21.2243 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 13.8650, 20.0287, 21.2243 by changing the saturation by 10% instead.

■ 13.8650, 20.0287,
21.2243

■ 13.8650, 20.0287,
21.2243

209.9168,
252.0704, 271.2882

■ 8.1079, 12.4159,
13.0952

■ 32.4376, 43.4653,
46.3462

■ 4.2165, 7.0276,
7.3626

■ 45.9838, 60.0579,
64.1760

■ 1.8253, 3.4794,
3.6081

■ 62.8570, 80.4125,
86.0766

■ 0.5328, 1.3868,
1.4129

■ 83.4227, 104.9136,
112.4663

■ 0.0000, 0.2070,
0.1517

■ 108.0462,
133.9456, 143.7638

■ 0.0000, 0.0000,
0.0000

■ 137.0928,

167.8928, 180.3876

170.9279,
207.1396, 222.7562

■ 13.8650, 20.0287,
21.2243

■ 13.8650, 20.0287,
21.2243

■ 13.0875, 19.6466,
20.3641

■ 14.8539, 20.5202,
22.1179

■ 12.5016, 19.3623,
19.5348

■ 16.0685, 21.1271,
23.0444

■ 12.0866, 19.1656,
18.7358

■ 17.5238, 21.8576,
24.0052

■ 11.8100, 19.0376,
18.0636

■ 19.2331, 22.7185,
25.0009

■ 21.2084, 23.7161,
26.0324

■ 23.4614, 24.8562,
27.1004

■ 26.0028, 26.1445,
28.2054

■ 28.8427, 27.5862,
29.3482

■ 31.9909, 29.1863,
30.5294

Harmonies

Analogous

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



14.5813, 20.0287, 14.2057



13.8650, 20.0287, 21.2243



14.4098, 20.0287, 30.4378

Triad

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



13.8650, 20.0287, 21.2243



21.8502, 20.0287, 39.7560



22.2430, 20.0287, 10.6462

Complementary

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



13.8650, 20.0287, 21.2243



12.6644, 8.2947, 6.5643

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.



24.5610, 20.0287, 14.9859



13.8650, 20.0287, 21.2243



24.3181, 20.0287, 31.7294

Square

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



13.8650, 20.0287, 21.2243



18.8318, 20.0287, 42.6639



25.3569, 20.0287, 22.4020



19.2430, 20.0287, 9.1749

Rectangle

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



13.8650, 20.0287, 21.2243



15.4503, 20.0287, 36.4037



25.3569, 20.0287, 22.4020



23.1390, 20.0287, 11.7512

Sweetspot

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



13.8656, 20.0295, 21.2248



35.4229, 41.1782, 45.3023



12.1002, 19.4438, 6.4837



7.7513, 9.1383, 10.0562



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.



13.8656, 20.0295, 21.2248



22.9431, 34.9416, 35.8187



11.7562, 14.1079, 25.7714



5.1327, 5.6726, 6.2197



11.0047, 17.7345, 16.8471



0.0780, 0.1198, 0.1376

Inverse Universe

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



12.6644, 8.2947, 6.5643



20.6239, 11.9727, 7.2819



13.6984, 11.0532, 4.7799



5.0693, 5.0632, 5.4534



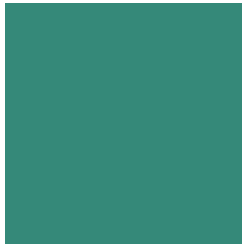
9.7881, 5.0254, 1.3885



0.0692, 0.0350, 0.0310

Previews

White Background



This preview shows how the XYZ color 13.8650, 20.0287, 21.2243 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 13.8650, 20.0287, 21.2243 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 13.8650, 20.0287, 21.2243

Background



This preview shows how black text looks on a background with the XYZ color 13.8650, 20.0287, 21.2243.

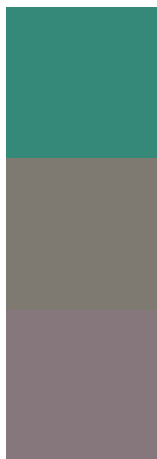


This preview shows how white text looks on a background with the XYZ color 13.8650, 20.0287,

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

13.8650, 20.0287, 21.2243

Protanopia

18.6926, 19.6233, 18.4253

Deuteranopia

20.1300, 19.7427, 22.1518



Tritanopia

15.5457, 20.0879, 29.4436

Trichromacy



Original Color

13.8650, 20.0287, 21.2243

Protanomaly

15.9973, 19.1490, 19.3760

Deuteranomaly

16.9246, 19.3802, 21.9175

Tritanomaly

14.9115, 20.0353, 26.3738

Monochromacy



Original Color

13.8650, 20.0287, 21.2243

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.8736, 16.7717, 18.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8650, 20.0287, 21.2243 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(53, 137, 121)` looks like.

```
.text, #text, p{  
    color:rgb(53, 137, 121)  
}
```

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(53, 137, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 137, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.8650, 20.0287, 21.2243 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(53, 137, 121) }
```


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

```
.border{ border-color:rgb(53, 137, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 137, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 137, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 137, 121);  
box-shadow:4px 4px 4px 4px rgb(53, 137,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8650, 20.0287, 21.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 137, 121) }
```

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

```
.background{ background-color: rgb(53, 137,  
121) }
```

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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