

Converting Colors

XYZ(20.5975, 30.9797, 29.1340)

Have a look what the booklet for
XYZ(20.5975, 30.9797, 29.1340)
contains.

XYZ(20.5873, 30.8614, 29.2979)	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(20.5873, 30.8614,
29.2979)**

Conversions

Conversions Part 1

Format	Color
Hex	3DA88B
RGB	61, 168, 139
RGB Percent	24%, 66%, 55%
CMY	0.7608, 0.3412, 0.4549
CMYK	0.64, 0.00, 0.17, 0.34
HSL	164°, 47%, 45%
HSV	164°, 64%, 66%
XYZ	20.5873, 30.8614, 29.2979
YIQ	132.7010, -54.4630, -31.7030

Conversions

Conversions Part 2

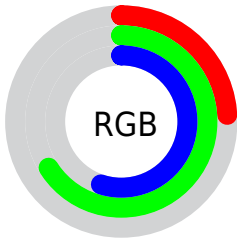
Format	Color
RYB	61, 123, 168
Decimal	4040843
CIELab	62.39, -37.61, 6.04
CIElCh	62, 38.093, 170.881
Yxy	30.8614, 0.2550, 0.3822
Android (android.graphics.Color)	4282230923 (0xFF3DA88B)
YUV	132.7010, 3.1054, -62.8818
Hunter-Lab	55.5530, -31.0678, 7.6184

Details

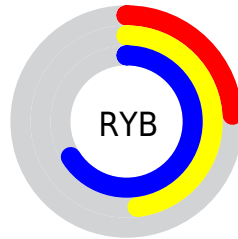
The XYZ color **20.5873, 30.8614, 29.2979** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.6637, 12.4013, 11.0314**, and the grayscale version is **22.1897, 23.3453, 25.4231**.

A 20% lighter version of the original color is **43.9158, 61.1101, 59.3500**, and **7.9339, 12.9827, 11.5390** is the 20% darker color. If you saturate the color by 10%, you get **19.3850, 30.2800, 27.5413**, and if you desaturate by 10%, it is **22.1291, 31.6177, 31.1441**.

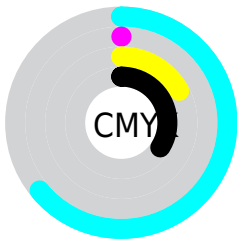
Distribution



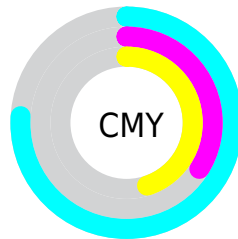
- Red (24%)
- Green (66%)
- Blue (55%)



- Red (24%)
- Yellow (48%)
- Blue (66%)



- Cyan (64%)
- Magenta (0%)
- Yellow (17%)
- Black (34%)



- Cyan (76%)
- Magenta (34%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5873, 30.8614, 29.2979 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 20.5873, 30.8614, 29.2979 by changing the saturation by 10% instead.

■ 20.5873, 30.8614,
29.2979

■ 20.5873, 30.8614,
29.2979

247.8504,
305.8993, 312.7228

■ 12.9334, 20.4933,
19.0588

■ 43.8961, 61.0218,
59.5979

■ 7.4594, 12.7542,
11.5355

■ 60.2818, 81.5829,
80.4958

■ 3.7999, 7.2595,
6.3096

■ 80.3088, 106.3105,
105.7838

■ 1.5896, 3.6249,
2.9624

■ 104.3424,
135.5889, 135.8803

■ 0.3856, 1.4660,
1.0755

■ 132.7480,
169.8027, 171.2039

■ 0.0000, 0.2646,
0.0000

165.8910,

■ 0.0000, 0.0000,

209.3360, 212.1732

0.0000

204.1367,
254.5734, 259.2066

■ 20.5873, 30.8614,
29.2979

■ 20.5873, 30.8614,
29.2979

■ 19.3850, 30.2800,
27.5413

■ 22.1291, 31.6177,
31.1441

■ 18.4880, 29.8537,
25.8698

■ 24.0354, 32.5596,
33.0799

■ 17.8594, 29.5641,
24.2815

■ 26.3317, 33.7009,
35.1080

■ 17.5450, 29.4230,
23.3188

■ 29.0404, 35.0531,
37.2303

■ 32.1823, 36.6269,
39.4486

■ 35.7766, 38.4324,
41.7645

■ 39.8415, 40.4787,
44.1798

■ 44.3941, 42.7746,
46.6959

■ 49.4507, 45.3287,
49.3144

Harmonies

Analogous

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



22.2895, 30.8614, 18.6752



20.5873, 30.8614, 29.2979



21.0057, 30.8614, 44.7811

Triad

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



20.5873, 30.8614, 29.2979



33.0129, 30.8614, 67.7536



36.0480, 30.8614, 16.0282

Complementary

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



20.5873, 30.8614, 29.2979



19.6637, 12.4013, 11.0314

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.



39.6128, 30.8614, 24.4591



20.5873, 30.8614, 29.2979



37.7226, 30.8614, 54.9061

Square

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



20.5873, 30.8614, 29.2979



27.7884, 30.8614, 70.1872



40.2591, 30.8614, 38.3100



30.9334, 30.8614, 12.6321

Rectangle

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



20.5873, 30.8614, 29.2979



22.4532, 30.8614, 55.8396



40.2591, 30.8614, 38.3100



37.4912, 30.8614, 18.2265

Sweetspot

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



20.5882, 30.8626, 29.2986



55.0718, 64.7957, 69.2829



19.1916, 30.5837, 9.3072



11.6719, 13.9568, 14.8619



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5882, 30.8626, 29.2986



34.5110, 54.6276, 48.8339



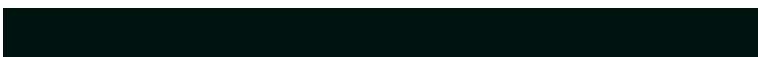
19.0907, 24.0152, 40.6763



7.6595, 8.4968, 9.1929



13.2710, 22.2272, 17.7260



0.3426, 0.5487, 0.5350

Inverse Universe

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



19.6637, 12.4013, 11.0314



32.7556, 18.4976, 13.3514



20.1763, 15.0318, 6.2535



7.6115, 7.5745, 8.2716



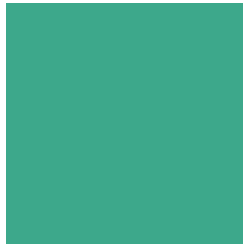
12.5792, 6.4404, 2.5954



0.3270, 0.1651, 0.1734

Previews

White Background



This preview shows how the XYZ color 20.5873, 30.8614, 29.2979 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.5873, 30.8614, 29.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

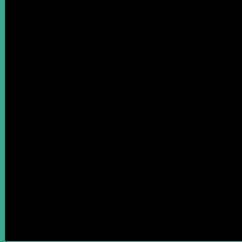
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.5873, 30.8614, 29.2979

Background



This preview shows how black text looks on a background with the XYZ color 20.5873, 30.8614, 29.2979.

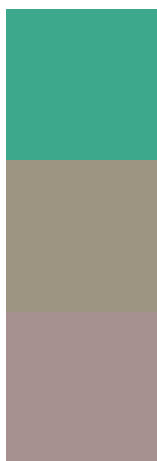


This preview shows how white text looks on a background with the XYZ color 20.5873, 30.8614,

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

20.5873, 30.8614, 29.2979

Protanopia

28.6145, 30.2480, 25.0992

Deuteranopia

30.8853, 30.3714, 30.6200



Tritanopia

23.9142, 30.8655, 45.7715

Trichromacy



Original Color

20.5873, 30.8614, 29.2979



Protanomaly

24.1481, 29.6080, 26.6325



Deuteranomaly

25.1758, 29.3247, 29.9245



Tritanomaly

22.6645, 30.8942, 39.4190

Monochromacy



Original Color

20.5873, 30.8614, 29.2979



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.7155, 25.4328, 26.7389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5873, 30.8614, 29.2979 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(61, 168, 139)` looks like.

```
.text, #text, p{  
    color:rgb(61, 168, 139)  
}
```

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(61, 168, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 168, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.5873, 30.8614, 29.2979 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(61, 168, 139) }
```


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

```
.border{ border-color:rgb(61, 168, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 168, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 168, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 168, 139);  
box-shadow:4px 4px 4px 4px rgb(61, 168,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5873, 30.8614, 29.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 168, 139) }
```

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

```
.background{ background-color: rgb(61, 168,  
139) }
```

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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