

Converting Colors

XYZ(20.6440, 32.3700, 31.0538)

Have a look what the booklet for
XYZ(20.6440, 32.3700, 31.0538)
contains.

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Color

**XYZ(20.5946, 32.2276,
31.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	23AD8F
RGB	35, 173, 143
RGB Percent	14%, 68%, 56%
CMY	0.8627, 0.3216, 0.4392
CMYK	0.80, 0.00, 0.17, 0.32
HSL	167°, 66%, 41%
HSV	167°, 80%, 68%
XYZ	20.5946, 32.2276, 31.1217
YIQ	128.3180, -72.6180, -38.5860

Conversions

Conversions Part 2

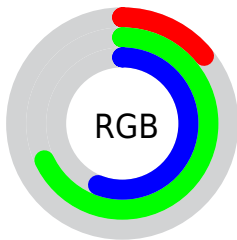
Format	Color
RYB	35, 112, 173
Decimal	2338191
CIELab	63.53, -42.49, 5.38
CIELCh	64, 42.829, 172.787
Yxy	32.2276, 0.2453, 0.3839
Android (android.graphics.Color)	4280528271 (0xFF23AD8F)
YUV	128.3180, 7.2382, -81.8399
Hunter-Lab	56.7694, -34.5907, 7.2350

Details

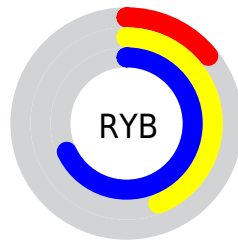
The XYZ color **20.5946, 32.2276, 31.1217** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.7898, 10.4688, 6.0326**, and the grayscale version is **20.6231, 21.6971, 23.6281**.

A 20% lighter version of the original color is **43.9231, 63.0731, 62.6827**, and **8.6923, 14.2233, 12.6432** is the 20% darker color. If you saturate the color by 10%, you get **19.8659, 31.8851, 29.6256**, and if you desaturate by 10%, it is **21.6240, 32.7256, 32.6832**.

Distribution



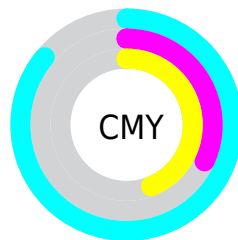
- Red (14%)
- Green (68%)
- Blue (56%)



- Red (14%)
- Yellow (44%)
- Blue (68%)



- Cyan (80%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)



- Cyan (86%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5946, 32.2276, 31.1217 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 20.5946, 32.2276, 31.1217 by changing the saturation by 10% instead.

■ 20.5946, 32.2276,
31.1217

■ 20.5946, 32.2276,
31.1217

247.8888,
312.1547, 321.4671

■ 12.9388, 21.5354,
20.4323

■ 43.9082, 63.1677,
62.5134

■ 7.4631, 13.5159,
12.5225

■ 60.2967, 84.1844,
84.0529

■ 3.8023, 7.7848,
6.9737

■ 80.3268, 109.4114,
110.0460

■ 1.5909, 3.9575,
3.3675

■ 104.3639,
139.2331, 140.9115

■ 0.3865, 1.6498,
1.2852

■ 132.7733,
174.0339, 177.0678

■ 0.0000, 0.3909,
0.0496

165.9203,

■ 0.0000, 0.0000,

214.1982, 218.9335

0.0000

204.1704,
260.1103, 266.9271

■ 20.5946, 32.2276,
31.1217

■ 20.5946, 32.2276,
31.1217

■ 19.8659, 31.8851,
29.6256

■ 21.6240, 32.7256,
32.6832

■ 19.3562, 31.6536,
28.1885

■ 22.9890, 33.3947,
34.3100

■ 19.3448, 31.6485,
28.1553

■ 24.7225, 34.2526,
36.0049

■ 26.8527, 35.3139,
37.7696

■ 29.4052, 36.5918,
39.6059

■ 32.4031, 38.0981,
41.5151

■ 35.8679, 39.8440,
43.4989

■ 39.8200, 41.8398,
45.5586

■ 44.2780, 44.0954,
47.6954

Harmonies

Analogous

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



22.3675, 32.2276, 18.7245



20.5946, 32.2276, 31.1217



21.2188, 32.2276, 49.4282

Triad

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



20.5946, 32.2276, 31.1217



35.2967, 32.2276, 74.9727



38.1128, 32.2276, 14.8779

Complementary

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



20.5946, 32.2276, 31.1217



18.7898, 10.4688, 6.0326

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.



42.4825, 32.2276, 23.8338



20.5946, 32.2276, 31.1217



40.7148, 32.2276, 58.9691

Square

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



20.5946, 32.2276, 31.1217



29.2123, 32.2276, 78.8637



43.4918, 32.2276, 39.3829



32.0956, 32.2276, 11.5338

Rectangle

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



20.5946, 32.2276, 31.1217



22.9545, 32.2276, 62.4997



43.4918, 32.2276, 39.3829



39.8533, 32.2276, 17.1588

Sweetspot

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



20.5955, 32.2289, 31.1225



55.4298, 66.9218, 72.7413



17.5765, 31.2102, 6.6884



11.6523, 14.3458, 15.5535



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.5955, 32.2289, 31.1225



34.8679, 56.7814, 51.0131



17.0694, 21.0405, 42.6981



8.1607, 9.0418, 9.8710



14.2329, 23.2584, 20.7981



0.4143, 0.6544, 0.6750

Inverse Universe

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



18.7898, 10.4688, 6.0326



31.6712, 16.3898, 5.2115



19.8425, 13.6156, 3.1729



8.0739, 8.0428, 8.6998



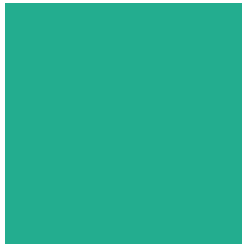
12.9311, 6.6350, 2.0167



0.3795, 0.1925, 0.1604

Previews

White Background



This preview shows how the XYZ color 20.5946, 32.2276, 31.1217 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 20.5946, 32.2276, 31.1217 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

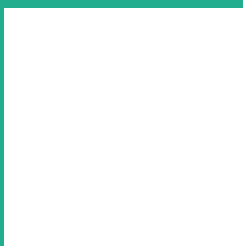
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5946, 32.2276, 31.1217

Background



This preview shows how black text looks on a background with the XYZ color 20.5946, 32.2276, 31.1217.

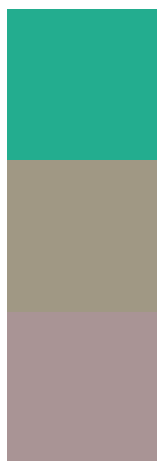


This preview shows how white text looks on a background with the XYZ color 20.5946, 32.2276,

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

20.5946, 32.2276, 31.1217

Protanopia

29.8903, 31.5960, 26.3530

Deuteranopia

32.3769, 31.7848, 32.8624



Tritanopia

24.2066, 32.3021, 48.6752

Trichromacy



Original Color

20.5946, 32.2276, 31.1217

Protanomaly

24.0850, 30.5640, 27.9226

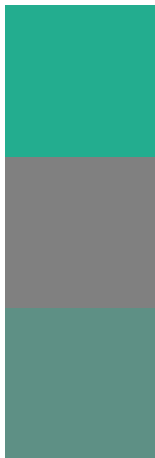
Deuteranomaly

25.0692, 30.2136, 32.1143

Tritanomaly

22.7150, 32.2433, 41.5856

Monochromacy



Original Color

20.5946, 32.2276, 31.1217

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.8230, 24.0197, 25.8345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5946, 32.2276, 31.1217 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(35, 173, 143)` looks like.

```
.text, #text, p{  
    color:rgb(35, 173, 143)  
}
```

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(35, 173, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 173, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.5946, 32.2276, 31.1217 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(35, 173, 143) }
```


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

```
.border{ border-color:rgb(35, 173, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 173, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 173, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 173, 143);  
box-shadow:4px 4px 4px 4px rgb(35, 173,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5946, 32.2276, 31.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 173, 143) }
```

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

```
.background{ background-color: rgb(35, 173,  
143) }
```

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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