

Converting Colors

XYZ(20.5299, 31.6593, 29.6870)

Have a look what the booklet for
XYZ(20.5299, 31.6593, 29.6870)
contains.

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Color

**XYZ(20.5632, 31.6722,
29.8405)**

Conversions

Conversions Part 1

Format	Color
Hex	31AB8C
RGB	49, 171, 140
RGB Percent	19%, 67%, 55%
CMY	0.8078, 0.3294, 0.4510
CMYK	0.71, 0.00, 0.18, 0.33
HSL	165°, 55%, 43%
HSV	165°, 71%, 67%
XYZ	20.5632, 31.6722, 29.8405
YIQ	130.9880, -62.7610, -35.5050

Conversions

Conversions Part 2

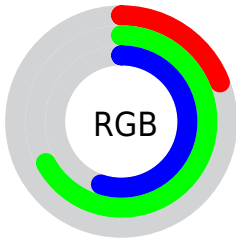
Format	Color
RYB	49, 119, 171
Decimal	3255180
CIELab	63.07, -40.66, 6.42
CIELCh	63, 41.166, 171.030
Yxy	31.6722, 0.2505, 0.3859
Android (android.graphics.Color)	4281445260 (0xFF31AB8C)
YUV	130.9880, 4.4429, -71.9035
Hunter-Lab	56.2781, -33.2653, 7.9571

Details

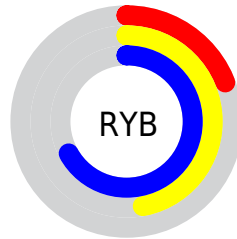
The XYZ color **20.5632, 31.6722, 29.8405** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.3420, 11.4347, 8.7786**, and the grayscale version is **21.5709, 22.6942, 24.7140**.

A 20% lighter version of the original color is **43.8888, 62.2780, 60.7466**, and **8.3239, 13.6951, 11.8776** is the 20% darker color. If you saturate the color by 10%, you get **19.5757, 31.2002, 28.1551**, and if you desaturate by 10%, it is **21.8780, 32.3130, 31.6087**.

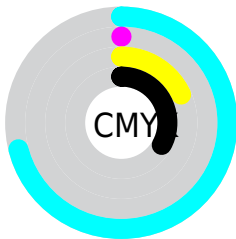
Distribution



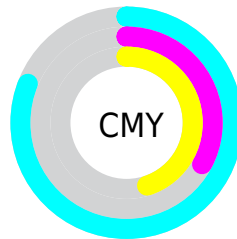
- Red (19%)
- Green (67%)
- Blue (55%)



- Red (19%)
- Yellow (47%)
- Blue (67%)



- Cyan (71%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)



- Cyan (81%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5632, 31.6722, 29.8405 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 20.5632, 31.6722, 29.8405 by changing the saturation by 10% instead.

■ 20.5632, 31.6722,
29.8405

■ 20.5632, 31.6722,
29.8405

247.7238,
309.6233, 315.3444

■ 12.9157, 21.1112,
19.4665

■ 43.8562, 62.2968,
60.4679

■ 7.4471, 13.2053,
11.8276

■ 60.2325, 83.1293,
81.5583

■ 3.7921, 7.5701,
6.5053

■ 80.2490, 108.1544,
107.0581

■ 1.5852, 3.8211,
3.0810

■ 104.2712,
137.7566, 137.3856

■ 0.3827, 1.5740,
1.1361

■ 132.6645,
172.3201, 172.9595

■ 0.0000, 0.3400,
0.0000

165.7941,

■ 0.0000, 0.0000,

212.2295, 214.1982

0.0000

204.0254,
257.8691, 261.5203

■ 20.5632, 31.6722,
29.8405

■ 20.5632, 31.6722,
29.8405

■ 19.5757, 31.2002,
28.1551

■ 21.8780, 32.3130,
31.6087

■ 18.8751, 30.8739,
26.5477

■ 23.5493, 33.1354,
33.4597

■ 18.4300, 30.6734,
25.2156

■ 25.6059, 34.1549,
35.3963

■ 28.0730, 35.3845,
37.4204

■ 30.9736, 36.8360,
39.5337

■ 34.3288, 38.5204,
41.7379

■ 38.1586, 40.4478,
44.0347

■ 42.4815, 42.6279,
46.4256

■ 47.3151, 45.0697,
48.9120

Harmonies

Analogous

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



22.3942, 31.6722, 18.3334



20.5632, 31.6722, 29.8405



21.0267, 31.6722, 46.9549

Triad

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



20.5632, 31.6722, 29.8405



34.1900, 31.6722, 72.6352



37.4980, 31.6722, 15.4533

Complementary

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



20.5632, 31.6722, 29.8405



19.3420, 11.4347, 8.7786

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.



41.4760, 31.6722, 24.4460



20.5632, 31.6722, 29.8405



39.4055, 31.6722, 58.1001

Square

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



20.5632, 31.6722, 29.8405



28.4345, 31.6722, 75.4623



42.2147, 31.6722, 39.5894



31.8365, 31.6722, 11.9167

Rectangle

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



20.5632, 31.6722, 29.8405



22.6018, 31.6722, 59.3268



42.2147, 31.6722, 39.5894



39.1047, 31.6722, 17.7746

Sweetspot

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



20.5641, 31.6734, 29.8412



55.4536, 65.9608, 70.7890



18.5576, 31.1219, 7.9355



12.0394, 14.5457, 15.5571



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.



20.5641, 31.6734, 29.8412



34.2267, 55.4865, 48.6276



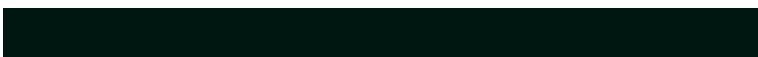
18.3710, 23.0997, 42.0198



8.1481, 9.0368, 9.8047



13.9151, 23.1313, 19.1244



0.4075, 0.6516, 0.6395

Inverse Universe

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



19.3420, 11.4347, 8.7786



32.0009, 17.0614, 9.1076



20.0367, 14.2541, 4.6017



8.0856, 8.0475, 8.7618



13.0143, 6.6682, 2.4546



0.3842, 0.1943, 0.1847

Previews

White Background



This preview shows how the XYZ color 20.5632, 31.6722, 29.8405 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 20.5632, 31.6722, 29.8405 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

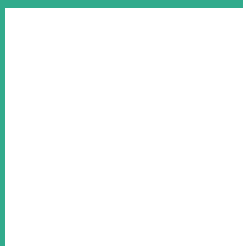
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5632, 31.6722, 29.8405

Background



This preview shows how black text looks on a background with the XYZ color 20.5632, 31.6722, 29.8405.



This preview shows how white text looks on a background with the XYZ color 20.5632, 31.6722,

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

20.5632, 31.6722, 29.8405

Protanopia

29.3939, 31.1159, 25.5758

Deuteranopia

31.5382, 30.9269, 31.0953



Tritanopia

24.1568, 31.7561, 47.5042

Trichromacy



Original Color

20.5632, 31.6722, 29.8405



Protanomaly

24.1377, 30.0969, 27.0913



Deuteranomaly

25.1367, 29.7858, 30.4110



Tritanomaly

22.7186, 31.7140, 40.5213

Monochromacy



Original Color

20.5632, 31.6722, 29.8405



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.9488, 25.0457, 26.3371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5632, 31.6722, 29.8405 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(49, 171, 140)` looks like.

```
.text, #text, p{  
    color:rgb(49, 171, 140)  
}
```

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(49, 171, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 171, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.5632, 31.6722, 29.8405 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(49, 171, 140) }
```


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

```
.border{ border-color:rgb(49, 171, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 171, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 171, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 171, 140);  
box-shadow:4px 4px 4px 4px rgb(49, 171,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5632, 31.6722, 29.8405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 171, 140) }
```

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

```
.background{ background-color: rgb(49, 171,  
140) }
```

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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