

Converting Colors

XYZ(20.6549, 31.5369, 25.4207)

Have a look what the booklet for
XYZ(20.6549, 31.5369, 25.4207)
contains.

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Color

**XYZ(20.6549, 31.5369,
25.4207)**

Conversions

Conversions Part 1

Format	Color
Hex	44AA80
RGB	68, 170, 128
RGB Percent	27%, 67%, 50%
CMY	0.7333, 0.3333, 0.4980
CMYK	0.60, 0.00, 0.25, 0.33
HSL	155°, 43%, 47%
HSV	155°, 60%, 67%
XYZ	20.6549, 31.5369, 25.4207
YIQ	134.7140, -47.3100, -34.6860

Conversions

Conversions Part 2

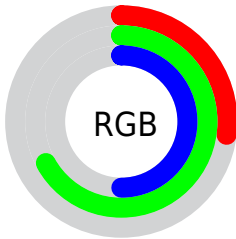
Format	Color
RYB	68, 132, 170
Decimal	4500096
CIELab	62.96, -39.73, 12.98
CIElCh	63, 41.799, 161.903
Yxy	31.5369, 0.2661, 0.4063
Android (android.graphics.Color)	4282690176 (0xFF44AA80)
YUV	134.7140, -3.3100, -58.5082
Hunter-Lab	56.1577, -32.6234, 12.4718

Details

The XYZ color **20.6549, 31.5369, 25.4207** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.4602, 13.8068, 16.2869**, and the grayscale version is **22.9483, 24.1434, 26.2922**.

A 20% lighter version of the original color is **43.9943, 62.0889, 53.3817**, and **7.7726, 13.2871, 9.5521** is the 20% darker color. If you saturate the color by 10%, you get **19.1919, 30.8349, 23.0298**, and if you desaturate by 10%, it is **22.4952, 32.4313, 27.9966**.

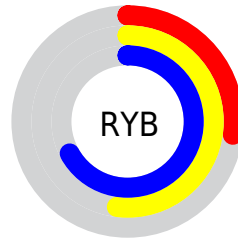
Distribution



Red (27%)

Green (67%)

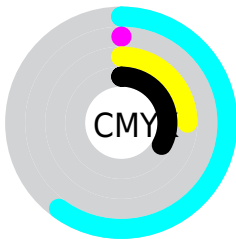
Blue (50%)



Red (27%)

Yellow (52%)

Blue (67%)

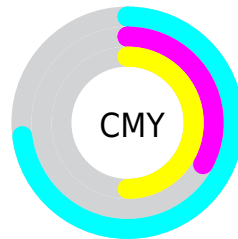


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (73%)

Magenta (33%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6549, 31.5369, 25.4207 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 20.6549, 31.5369, 25.4207 by changing the saturation by 10% instead.

■ 20.6549, 31.5369,
25.4207

■ 20.6549, 31.5369,
25.4207

248.2053,
309.0042, 293.4411

■ 12.9830, 21.0080,
16.1689

■ 44.0081, 62.0844,
53.3115

■ 7.4938, 13.1299,
9.4881

■ 60.4201, 82.8718,
72.7875

■ 3.8218, 7.5180,
4.9598

■ 80.4762, 107.8475,
96.5087

■ 1.6018, 3.7881,
2.1653

■ 104.5417,
137.3959, 124.8936

■ 0.3936, 1.5558,
0.6543

■ 132.9820,
171.9013, 158.3608

■ 0.0000, 0.3275,
0.0000

166.1625,

■ 0.0000, 0.0000,

211.7483, 197.3287

0.0000

204.4485,
257.3211, 242.2160

■ 20.6549, 31.5369,
25.4207

■ 20.6549, 31.5369,
25.4207

■ 19.1919, 30.8349,
23.0298

■ 22.4952, 32.4313,
27.9966

■ 18.0724, 30.3056,
20.8169

■ 24.7378, 33.5286,
30.7599

■ 17.2604, 29.9313,
18.7777

■ 27.4085, 34.8428,
33.7156

■ 16.6756, 29.6707,
16.9048

■ 30.5302, 36.3855,
36.8678

■ 16.6755, 29.6707,
16.9046

■ 34.1241, 38.1677,
40.2204

■ 38.2098, 40.1995,
43.7774

■ 42.8062, 42.4904,
47.5424

■ 47.9307, 45.0495,
51.5189

■ 53.6002, 47.8853,
55.7106

Harmonies

Analogous

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



23.1873, 31.5369, 15.7671



20.6549, 31.5369, 25.4207



20.4149, 31.5369, 41.2841

Triad

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



20.6549, 31.5369, 25.4207



32.3110, 31.5369, 75.5172



38.9690, 31.5369, 17.2495

Complementary

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



20.6549, 31.5369, 25.4207



21.4602, 13.8068, 16.2869

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.



42.1322, 31.5369, 28.2189



20.6549, 31.5369, 25.4207



37.9725, 31.5369, 63.6688

Square

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



20.6549, 31.5369, 25.4207



26.6735, 31.5369, 74.0313



41.7459, 31.5369, 45.1300



33.5380, 31.5369, 12.1942

Rectangle

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



20.6549, 31.5369, 25.4207



21.5426, 31.5369, 53.9132



41.7459, 31.5369, 45.1300



40.3622, 31.5369, 20.1882

Sweetspot

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



20.6558, 31.5382, 25.4214



56.4219, 66.5253, 67.8821



21.9119, 32.5153, 10.5905



12.1951, 14.6437, 14.7634



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.



20.6558, 31.5382, 25.4214



34.0827, 55.5937, 40.4206



22.4730, 29.7973, 42.5987



7.6149, 8.4790, 8.9580



12.2945, 21.8365, 12.5833



0.3236, 0.5411, 0.4352

Inverse Universe

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



21.4602, 13.8068, 16.2869



35.6965, 20.5197, 22.4641



20.2409, 14.2022, 7.1437



7.6544, 7.5916, 8.4973



13.0343, 6.6224, 4.9923



0.3427, 0.1714, 0.2562

Previews

White Background



This preview shows how the XYZ color 20.6549, 31.5369, 25.4207 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 20.6549, 31.5369, 25.4207 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 20.6549, 31.5369, 25.4207

Background



This preview shows how black text looks on a background with the XYZ color 20.6549, 31.5369, 25.4207.



This preview shows how white text looks on a background with the XYZ color 20.6549, 31.5369,

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

20.6549, 31.5369, 25.4207

Protanopia

29.0943, 31.0422, 21.9111

Deuteranopia

31.5258, 31.0219, 26.5165



Tritanopia

24.8674, 31.6101, 46.3857

Trichromacy



Original Color

20.6549, 31.5369, 25.4207

Protanomaly

24.4921, 30.3709, 22.9837

Deuteranomaly

25.6496, 30.1497, 25.9403

Tritanomaly

23.0361, 31.3953, 37.6467

Monochromacy



Original Color

20.6549, 31.5369, 25.4207

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.3103, 26.2253, 25.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6549, 31.5369, 25.4207 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(68, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(68, 170, 128)  
}
```

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(68, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 170, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.6549, 31.5369, 25.4207 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(68, 170, 128) }
```


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

```
.border{ border-color:rgb(68, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(68, 170,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6549, 31.5369, 25.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 170, 128) }
```

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

```
.background{ background-color: rgb(68, 170,  
128) }
```

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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