

Converting Colors

XYZ(20.6912, 31.6973, 24.0553)

Have a look what the booklet for
XYZ(20.6912, 31.6973, 24.0553)
contains.

XYZ(20.6113, 31.5443, 24.0711)	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(20.6113, 31.5443,
24.0711)**

Conversions

Conversions Part 1

Format	Color
Hex	47AA7C
RGB	71, 170, 124
RGB Percent	28%, 67%, 49%
CMY	0.7216, 0.3333, 0.5137
CMYK	0.58, 0.00, 0.27, 0.33
HSL	152°, 41%, 47%
HSV	152°, 58%, 67%
XYZ	20.6113, 31.5443, 24.0711
YIQ	135.1550, -44.2380, -35.2940

Conversions

Conversions Part 2

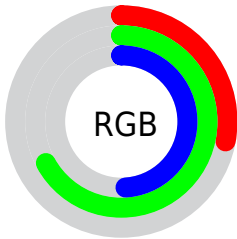
Format	Color
RYB	71, 135, 170
Decimal	4696700
CIELab	62.96, -39.97, 15.21
CIElCh	63, 42.767, 159.162
Yxy	31.5443, 0.2704, 0.4138
Android (android.graphics.Color)	4282886780 (0xFF47AA7C)
YUV	135.1550, -5.4994, -56.2639
Hunter-Lab	56.1643, -32.7812, 13.9043

Details

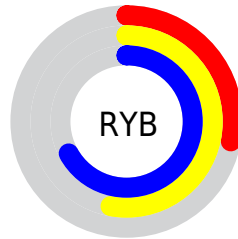
The XYZ color **20.6113, 31.5443, 24.0711** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.0426, 14.3375, 18.4362**, and the grayscale version is **23.1188, 24.3228, 26.4876**.

A 20% lighter version of the original color is **44.0343, 62.1562, 51.2715**, and **7.6313, 13.2306, 8.8082** is the 20% darker color. If you saturate the color by 10%, you get **19.0550, 30.7983, 21.4946**, and if you desaturate by 10%, it is **22.5581, 32.4887, 26.8762**.

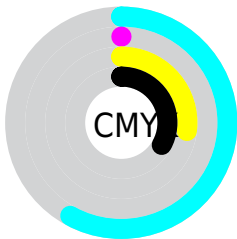
Distribution



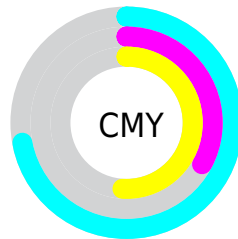
- Red (28%)
- Green (67%)
- Blue (49%)



- Red (28%)
- Yellow (53%)
- Blue (67%)



- Cyan (58%)
- Magenta (0%)
- Yellow (27%)
- Black (33%)



- Cyan (72%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6113, 31.5443, 24.0711 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 20.6113, 31.5443, 24.0711 by changing the saturation by 10% instead.

■ 20.6113, 31.5443,
24.0711

■ 20.6113, 31.5443,
24.0711

247.9765,
309.0381, 286.4779

■ 12.9510, 21.0137,
15.1737

■ 43.9359, 62.0960,
51.0915

■ 7.4716, 13.1340,
8.7934

■ 60.3309, 82.8859,
70.0515

■ 3.8077, 7.5209,
4.5117

■ 80.3682, 107.8643,
93.2029

■ 1.5939, 3.7899,
1.9101

■ 104.4132,
137.4156, 120.9640

■ 0.3884, 1.5568,
0.4991

■ 132.8311,
171.9243, 153.7536

■ 0.0000, 0.3282,
0.0000

165.9874,

■ 0.0000, 0.0000,

211.7746, 191.9901

0.0000

204.2474,
257.3511, 236.0920

■ 20.6113, 31.5443,
24.0711

■ 20.6113, 31.5443,
24.0711

■ 19.0550, 30.7983,
21.4946

■ 22.5581, 32.4887,
26.8762

■ 17.8559, 30.2310,
19.1381

■ 24.9201, 33.6416,
29.9138

■ 16.9788, 29.8254,
16.9958

■ 27.7232, 35.0170,
33.1902

■ 16.3624, 29.5498,
15.0595

■ 30.9900, 36.6266,
36.7109

■ 16.2641, 29.5062,
14.7380

■ 34.7418, 38.4811,
40.4812

■ 38.9982, 40.5907,
44.5062

■ 43.7781, 42.9649,
48.7909

■ 49.0991, 45.6129,
53.3400

■ 54.9782, 48.5430,
58.1582

Harmonies

Analogous

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



23.3961, 31.5443, 14.8663



20.6113, 31.5443, 24.0711



20.1512, 31.5443, 39.7620

Triad

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



20.6113, 31.5443, 24.0711



31.8176, 31.5443, 77.2345



39.6263, 31.5443, 17.6928

Complementary

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



20.6113, 31.5443, 24.0711



22.0426, 14.3375, 18.4362

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.



42.5807, 31.5443, 29.4463



20.6113, 31.5443, 24.0711



37.7004, 31.5443, 66.0515

Square

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



20.6113, 31.5443, 24.0711



26.1386, 31.5443, 74.3461



41.8332, 31.5443, 47.1949



34.1846, 31.5443, 12.1081

Rectangle

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



20.6113, 31.5443, 24.0711



21.1560, 31.5443, 52.6555



41.8332, 31.5443, 47.1949



40.9735, 31.5443, 20.8656

Sweetspot

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



20.6121, 31.5456, 24.0718



56.8193, 66.7453, 67.2203



22.8760, 33.0015, 11.1257



12.3964, 14.7490, 14.7049



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.



20.6121, 31.5456, 24.0718



33.8460, 55.5326, 37.6591



23.6190, 31.7708, 42.9193



7.5983, 8.4724, 8.8708



11.9920, 21.7156, 10.9906



0.3172, 0.5385, 0.4014

Inverse Universe

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



22.0426, 14.3375, 18.4362



36.6984, 21.3232, 26.4981



20.1846, 13.9392, 7.5882



7.6707, 7.5981, 8.5831



13.2602, 6.7128, 6.1820



0.3486, 0.1737, 0.2874

Previews

White Background



This preview shows how the XYZ color 20.6113, 31.5443, 24.0711 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 20.6113, 31.5443, 24.0711 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 20.6113, 31.5443, 24.0711

Background



This preview shows how black text looks on a background with the XYZ color 20.6113, 31.5443, 24.0711.



This preview shows how white text looks on a background with the XYZ color 20.6113, 31.5443,

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

20.6113, 31.5443, 24.0711

Protanopia

29.0614, 31.0524, 20.6817

Deuteranopia

31.6969, 31.1414, 25.1092



Tritanopia

24.9582, 31.4037, 45.8204

Trichromacy



Original Color

20.6113, 31.5443, 24.0711



Protanomaly

24.5501, 30.4289, 21.7190



Deuteranomaly

25.8686, 30.2934, 24.5625



Tritanomaly

23.2017, 31.5006, 36.7557

Monochromacy



Original Color

20.6113, 31.5443, 24.0711



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3687, 26.2632, 25.4158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6113, 31.5443, 24.0711 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(71, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(71, 170, 124)  
}
```

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(71, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 170, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.6113, 31.5443, 24.0711 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(71, 170, 124) }
```


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

```
.border{ border-color:rgb(71, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(71, 170,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6113, 31.5443, 24.0711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 170, 124) }
```

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

```
.background{ background-color: rgb(71, 170,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor