

Converting Colors

XYZ(20.3177, 23.4865, 31.5047)

Have a look what the booklet for
XYZ(20.3177, 23.4865, 31.5047)
contains.

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Color

**XYZ(20.4036, 23.6066,
31.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	698B94
RGB	105, 139, 148
RGB Percent	41%, 55%, 58%
CMY	0.5882, 0.4549, 0.4196
CMYK	0.29, 0.06, 0.00, 0.42
HSL	193°, 17%, 50%
HSV	193°, 29%, 58%
XYZ	20.4036, 23.6066, 31.4981
YIQ	129.8600, -23.1530, -4.4090

Conversions

Conversions Part 2

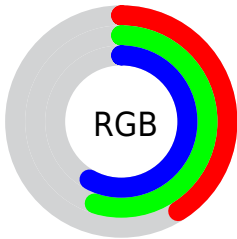
Format	Color
R_{YB}	105, 124, 148
Decimal	6917012
CIE _{Lab}	55.69, -9.63, -8.67
CIE _{LCh}	56, 12.958, 221.975
Yxy	23.6066, 0.2702, 0.3126
Android (android.graphics.Color)	4285107092 (0xFF698B94)
YUV	129.8600, 8.9430, -21.8022
Hunter-Lab	48.5866, -10.0668, -4.4263

Details

The XYZ color **20.4036, 23.6066, 31.4981** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7801, 19.3506, 16.0049**, and the grayscale version is **21.1445, 22.2456, 24.2255**.

A 20% lighter version of the original color is **43.6353, 49.5723, 63.1457**, and **7.3609, 8.8486, 12.6292** is the 20% darker color. If you saturate the color by 10%, you get **18.3723, 21.9037, 31.2769**, and if you desaturate by 10%, it is **22.7515, 25.4928, 31.7388**.

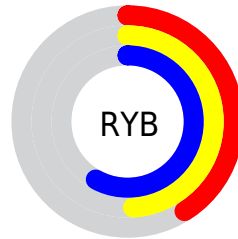
Distribution



Red (41%)

Green (55%)

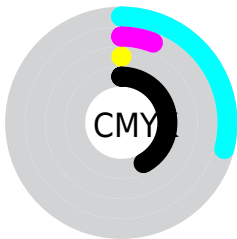
Blue (58%)



Red (41%)

Yellow (49%)

Blue (58%)

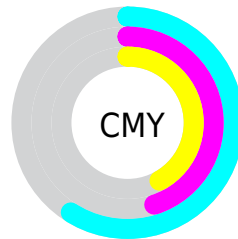


Cyan (29%)

Magenta (6%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4036, 23.6066, 31.4981 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 20.4036, 23.6066, 31.4981 by changing the saturation by 10% instead.

■ 20.4036, 23.6066,
31.4981

■ 20.4036, 23.6066,
31.4981

246.8839,
270.8255, 323.2485

■ 12.7987, 15.0421,
20.7168

■ 43.5916, 49.3875,
63.1122

■ 7.3661, 8.8489,
12.7279

■ 59.9055, 67.3726,
84.7820

■ 3.7405, 4.6428,
7.1129

■ 79.8530, 89.2666,
110.9185

■ 1.5564, 2.0392,
3.4533

■ 103.7997,
115.4541, 141.9400

■ 0.3637, 0.6301,
1.3305

132.1107,
146.3193, 178.2653

■ 0.0000, 0.0000,
0.0866

165.1515,

■ 0.0000, 0.0000,

182.2467, 220.3128

0.0000

203.2875,
223.6206, 268.5010

■ 20.4036, 23.6066,
31.4981

■ 20.4036, 23.6066,
31.4981

■ 18.3723, 21.9037,
31.2769

■ 22.7515, 25.4928,
31.7388

■ 16.6399, 20.3729,
31.0727

■ 25.4287, 27.5672,
31.9981

■ 15.1897, 19.0062,
30.8853

■ 28.4494, 29.8378,
32.2772

■ 14.0028, 17.7936,
30.7138

■ 31.8267, 32.3116,
32.5767

■ 13.0577, 16.7240,
30.5572

■ 35.5727, 34.9949,
32.8972

■ 12.3296, 15.7842,
30.4142

■ 39.6991, 37.8939,
33.2392

■ 11.7619, 14.9451,
30.2821

■ 44.2171, 41.0146,
33.6035

■ 11.7101, 14.8676,
30.2699

■ 49.1371, 44.3624,
33.9903

■ 54.4696, 47.9428,
34.4004

Harmonies

Analogous

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



19.7878, 23.6066, 27.4176



20.4036, 23.6066, 31.4981



21.5752, 23.6066, 34.1826

Triad

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



20.4036, 23.6066, 31.4981



25.2300, 23.6066, 28.2871



21.8568, 23.6066, 18.5788

Complementary

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



20.4036, 23.6066, 31.4981



20.7801, 19.3506, 16.0049

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.



23.3222, 23.6066, 18.7572



20.4036, 23.6066, 31.4981



25.3135, 23.6066, 24.0625

Square

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



20.4036, 23.6066, 31.4981



24.3786, 23.6066, 32.1941



24.6020, 23.6066, 20.6672



20.6020, 23.6066, 20.1498

Rectangle

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



20.4036, 23.6066, 31.4981



22.5348, 23.6066, 34.6588



24.6020, 23.6066, 20.6672



22.3402, 23.6066, 18.4413

Sweetspot

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



20.4043, 23.6075, 31.4986



44.8035, 48.5918, 56.4523



19.4306, 25.3893, 19.6775



10.0755, 10.9761, 12.8724



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4043, 23.6075, 31.4986



33.5590, 39.6211, 55.3135



17.6382, 18.0752, 30.5766



5.8622, 6.3583, 7.3880



10.0220, 12.7389, 25.8617



0.1434, 0.1974, 0.3235

Inverse Universe

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



21.9251, 18.2637, 26.7968



36.7557, 28.7866, 45.3408



23.4409, 24.6722, 16.8919



5.9839, 5.8886, 7.0212



13.1857, 6.4794, 14.9910



0.1719, 0.0835, 0.2387

Previews

White Background



This preview shows how the XYZ color 20.4036, 23.6066, 31.4981 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4036, 23.6066, 31.4981 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 × Fail

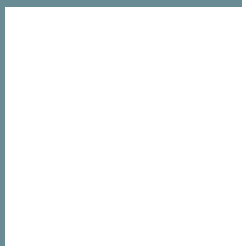
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4036, 23.6066, 31.4981

Background



This preview shows how black text looks on a background with the XYZ color 20.4036, 23.6066, 31.4981.



This preview shows how white text looks on a background with the XYZ color 20.4036, 23.6066,

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

20.4036, 23.6066, 31.4981

Protanopia

22.8010, 23.4217, 29.7046

Deuteranopia

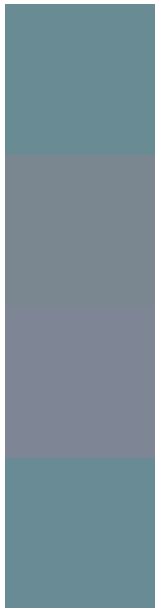
23.9689, 23.5705, 32.1404



Tritanopia

20.5633, 23.6705, 32.3392

Trichromacy



Original Color

20.4036, 23.6066, 31.4981

Protanomaly

21.8008, 23.5099, 30.1769

Deuteranomaly

22.4165, 23.3806, 31.7652

Tritanomaly

20.4831, 23.6384, 31.9169

Monochromacy



Original Color

20.4036, 23.6066, 31.4981

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7880, 22.6461, 26.9424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4036, 23.6066, 31.4981 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(105, 139, 148)` looks like.

```
.text, #text, p{  
    color:rgb(105, 139, 148)  
}
```

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(105, 139, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 139, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.4036, 23.6066, 31.4981 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(105, 139, 148) }
```


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

```
.border{ border-color:rgb(105, 139, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 139, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 139, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 139, 148);  
box-shadow:4px 4px 4px 4px rgb(105, 139,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4036, 23.6066, 31.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 139, 148) }
```

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

```
.background{ background-color: rgb(105,  
139, 148) }
```

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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