

Converting Colors

XYZ(31.8884, 36.1162, 23.5102)

Have a look what the booklet for
XYZ(31.8884, 36.1162, 23.5102)
contains.

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Color

**XYZ(31.8066, 35.9721,
23.3561)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A579
RGB	162, 165, 121
RGB Percent	64%, 65%, 47%
CMY	0.3647, 0.3529, 0.5255
CMYK	0.02, 0.00, 0.27, 0.35
HSL	64°, 20%, 56%
HSV	64°, 27%, 65%
XYZ	31.8066, 35.9721, 23.3561
YIQ	159.0870, 12.3360, -14.3200

Conversions

Conversions Part 2

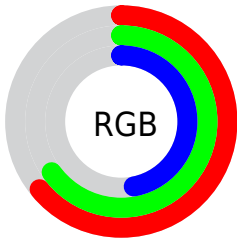
Format	Color
RYB	121, 165, 124
Decimal	10659193
CIELab	66.50, -8.46, 22.52
CIELCh	66, 24.055, 110.602
Yxy	35.9721, 0.3490, 0.3947
Android (android.graphics.Color)	4288849273 (0xFFA2A579)
YUV	159.0870, -18.7769, 2.5547
Hunter-Lab	59.9767, -10.2980, 18.8951

Details

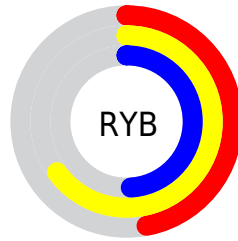
The XYZ color **31.8066, 35.9721, 23.3561** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.9425, 20.6774, 38.4340**, and the grayscale version is **33.0744, 34.7969, 37.8938**.

A 20% lighter version of the original color is **61.8485, 68.9941, 50.1018**, and **13.5052, 15.5931, 8.4289** is the 20% darker color. If you saturate the color by 10%, you get **30.6526, 35.4854, 18.4644**, and if you desaturate by 10%, it is **33.1376, 36.5323, 29.1611**.

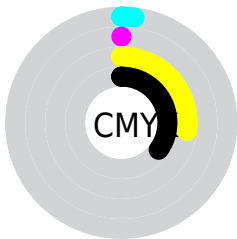
Distribution



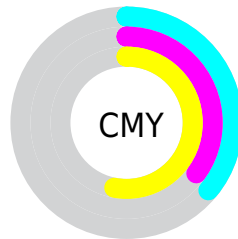
- Red (64%)
- Green (65%)
- Blue (47%)



- Red (47%)
- Yellow (65%)
- Blue (49%)



- Cyan (2%)
- Magenta (0%)
- Yellow (27%)
- Black (35%)



- Cyan (36%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8066, 35.9721, 23.3561 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 31.8066, 35.9721, 23.3561 by changing the saturation by 10% instead.

■ 31.8066, 35.9721,
23.3561

■ 31.8066, 35.9721,
23.3561

301.9983,
328.8386, 282.7297

■ 21.3687, 24.4126,
14.6489

■ 61.8750, 68.9890,
49.9080

■ 13.5077, 15.6400,
8.4295

■ 82.2362, 91.2152,
68.5897

■ 7.8585, 9.2698,
4.2793

■ 106.6358,
117.7659, 91.4334

■ 4.0556, 4.9176,
1.7798

135.4393,
149.0253, 118.8576

■ 1.7336, 2.1990,
0.4146

169.0119,
185.3778, 151.2807

■ 0.4772, 0.7194,
0.0000

207.7190,

■ 0.0000, 0.0000,

227.2080, 189.1215

0.0000

251.9260,
274.9001, 232.7983

■ 31.8066, 35.9721,
23.3561

■ 31.8066, 35.9721,
23.3561

■ 30.6526, 35.4854,
18.4644

■ 33.1376, 36.5323,
29.1611

■ 29.6641, 35.0639,
14.4372

■ 34.6510, 37.1644,
35.9201

■ 28.8324, 34.7054,
11.2250

■ 36.3554, 37.8732,
43.6742

■ 28.1468, 34.4056,
8.7719

■ 38.2581, 38.6616,
52.4616

■ 27.5955, 34.1597,
7.0153

■ 40.3658, 39.5322,
62.3181

■ 27.1647, 33.9622,
5.8826

■ 42.6852, 40.4877,
73.2782

■ 26.8344, 33.8052,
5.2686

■ 45.2224, 41.5306,
85.3745

■ 26.7328, 33.7563,
5.1066

■ 47.9835, 42.6632,
98.6385

■ 48.5495, 42.9181,
100.3329

Harmonies

Analogous

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



35.3360, 35.9721, 22.6519



31.8066, 35.9721, 23.3561



29.1041, 35.9721, 27.8604

Triad

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



31.8066, 35.9721, 23.3561



29.9729, 35.9721, 56.6172



41.5027, 35.9721, 42.5028

Complementary

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



31.8066, 35.9721, 23.3561



21.9425, 20.6774, 38.4340

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.



39.8373, 35.9721, 53.1821



31.8066, 35.9721, 23.3561



33.0699, 35.9721, 62.2248

Square

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



31.8066, 35.9721, 23.3561



28.0982, 35.9721, 46.5840



36.6904, 35.9721, 60.8677



41.1051, 35.9721, 32.5832

Rectangle

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



31.8066, 35.9721, 23.3561



28.0545, 35.9721, 32.9314



36.6904, 35.9721, 60.8677



41.1615, 35.9721, 46.1450

Sweetspot

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



31.8075, 35.9737, 23.3569



61.6319, 66.3792, 62.4259



26.1687, 23.7793, 21.3003



13.3852, 14.4748, 13.2491



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.8075, 35.9737, 23.3569



55.7009, 63.8905, 36.4504



27.7341, 33.8738, 23.1662



7.6015, 8.2126, 7.5646



20.2395, 25.5443, 3.8638



0.4385, 0.5436, 0.0818

Inverse Universe

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



21.9425, 20.6774, 38.4340



35.0286, 31.8330, 68.0505



25.4722, 22.4971, 38.5991



6.7432, 6.8820, 8.8760



5.2621, 2.1192, 27.0615



0.1232, 0.0510, 0.5692

Previews

White Background



This preview shows how the XYZ color 31.8066, 35.9721, 23.3561 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 31.8066, 35.9721, 23.3561 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

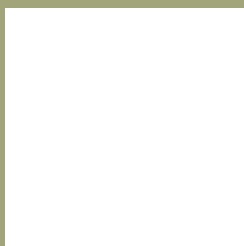
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8066, 35.9721, 23.3561

Background



This preview shows how black text looks on a background with the XYZ color 31.8066, 35.9721, 23.3561.



This preview shows how white text looks on a background with the XYZ color 31.8066, 35.9721,

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

31.8066, 35.9721, 23.3561

Protanopia

33.3082, 35.7059, 22.5892

Deuteranopia

36.5317, 35.8199, 23.7274



Tritanopia

35.7260, 35.7188, 43.5395

Trichromacy



Original Color

31.8066, 35.9721, 23.3561

Protanomaly

32.6727, 35.6317, 22.9249

Deuteranomaly

34.7334, 35.9047, 23.5120

Tritanomaly

34.2205, 35.8966, 35.2621

Monochromacy



Original Color

31.8066, 35.9721, 23.3561

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3529, 35.0077, 31.8400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8066, 35.9721, 23.3561 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(162, 165, 121)` looks like.

```
.text, #text, p{  
    color:rgb(162, 165, 121)  
}
```

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(162, 165, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 165, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.8066, 35.9721, 23.3561 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(162, 165, 121) }
```


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

```
.border{ border-color:rgb(162, 165, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 165, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 165, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 165, 121); box-shadow:4px 4px 4px 4px rgb(162, 165, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8066, 35.9721, 23.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 165, 121) }
```

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

```
.background{ background-color: rgb(162,  
165, 121) }
```

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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