

Converting Colors

XYZ(31.2405, 56.1155, 23.7394)

Have a look what the booklet for
XYZ(31.2405, 56.1155, 23.7394)
contains.

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Color

**XYZ(31.2721, 56.1749,
23.6626)**

Conversions

Conversions Part 1

Format	Color
Hex	32E26D
RGB	50, 226, 109
RGB Percent	20%, 89%, 43%
CMY	0.8039, 0.1137, 0.5725
CMYK	0.78, 0.00, 0.52, 0.11
HSL	140°, 75%, 54%
HSV	140°, 78%, 89%
XYZ	31.2721, 56.1749, 23.6626
YIQ	160.0380, -67.3390, -73.6990

Conversions

Conversions Part 2

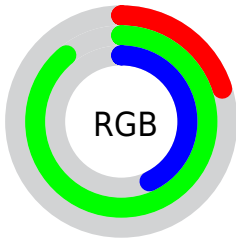
Format	Color
RYB	50, 182, 226
Decimal	3334765
CIELab	79.71, -67.38, 44.78
CIELCh	80, 80.902, 146.393
Yxy	56.1749, 0.2815, 0.5056
Android (android.graphics.Color)	4281524845 (0xFF32E26D)
YUV	160.0380, -25.1617, -96.5033
Hunter-Lab	74.9499, -56.6850, 33.7464

Details

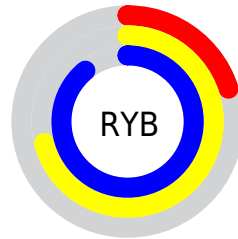
The XYZ color **31.2721, 56.1749, 23.6626** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **39.4815, 21.2412, 38.5808**, and the grayscale version is **33.5673, 35.3154, 38.4584**.

A 20% lighter version of the original color is **50.6830, 78.4494, 47.1213**, and **14.9265, 28.6713, 8.6183** is the 20% darker color. If you saturate the color by 10%, you get **29.6796, 55.4411, 19.7216**, and if you desaturate by 10%, it is **33.5550, 57.2518, 28.3600**.

Distribution



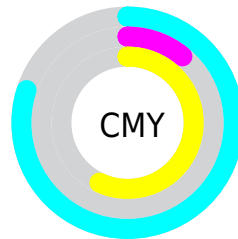
- Red (20%)
- Green (89%)
- Blue (43%)



- Red (20%)
- Yellow (71%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)





- Cyan (80%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2721, 56.1749, 23.6626 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 31.2721, 56.1749, 23.6626 by changing the saturation by 10% instead.


 31.2721, 56.1749,
23.6626


 31.2721, 56.1749,
23.6626


299.5945,
410.3503, 284.3416

 20.9590, 40.3432,
14.8736


 61.0411, 99.2603,
50.4160


 13.2063, 27.8062,
8.5851


 81.2278, 127.2827,
69.2174


 7.6487, 18.1796,
4.3785


 105.4363,
160.1374, 92.1935

 3.9209, 11.0790,
1.8352

 134.0320,
198.2089, 119.7627

 1.6575, 6.1200,
0.4510

 167.3804,
241.8816, 152.3436

 0.4294, 2.9182,
0.0000

205.8466,

 0.0000, 1.0892,

291.5398, 190.3547

0.0000

249.7962,
347.5679, 234.2145

■ 0.0000, 0.0000,
0.0000

■ 31.2721, 56.1749,
23.6626

■ 31.2721, 56.1749,
23.6626

■ 29.6796, 55.4411,
19.7216

■ 33.5550, 57.2518,
28.3600

■ 28.6671, 54.9896,
16.4916


■ 36.6020, 58.7043,
33.8478


■ 28.4936, 54.9133,
15.8916


■ 40.4813, 60.5684,
40.1623


■ 45.2520, 62.8739,
47.3363

■ 50.9677, 65.6479,
55.4008

 57.6778, 68.9151,
64.3854

 65.4278, 72.6986,
74.3180

 74.2607, 77.0199,
85.2256

 84.2169, 81.8992,
97.1338

Harmonies

Analogous

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



40.6115, 56.1749, 10.7908



31.2721, 56.1749, 23.6626



27.7791, 56.1749, 55.6782

Triad

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



31.2721, 56.1749, 23.6626



51.4407, 56.1749, 202.0352



86.7609, 56.1749, 29.2580

Complementary

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



31.2721, 56.1749, 23.6626



39.4815, 21.2412, 38.5808

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.



91.2763, 56.1749, 67.0008



31.2721, 56.1749, 23.6626



68.6079, 56.1749, 182.3127

Square

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



31.2721, 56.1749, 23.6626



37.8257, 56.1749, 170.8404



84.0581, 56.1749, 125.6886



72.7334, 56.1749, 12.6707

Rectangle

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



31.2721, 56.1749, 23.6626



28.5723, 56.1749, 90.2277



84.0581, 56.1749, 125.6886



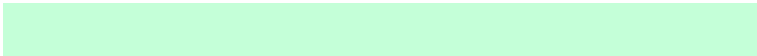
89.5507, 56.1749, 39.1275

Sweetspot

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



31.2735, 56.1772, 23.6639



71.0122, 88.2612, 78.2664



43.7809, 62.8774, 12.8472



14.5347, 18.5680, 15.8528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.2735, 56.1772, 23.6639



38.1806, 72.5167, 23.3792



38.5533, 59.0891, 61.9990



13.7174, 15.4127, 15.5469



16.3045, 31.3466, 9.3264



1.1708, 2.1890, 0.8605

Inverse Universe

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



39.4815, 21.2412, 38.5808



49.2412, 24.8027, 43.0087



33.9296, 19.0204, 9.3448



14.0895, 13.8534, 16.2415



21.1022, 10.5079, 17.7357



1.5038, 0.7448, 1.4459

Previews

White Background



This preview shows how the XYZ color 31.2721, 56.1749, 23.6626 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 31.2721, 56.1749, 23.6626 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

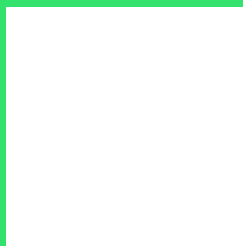
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2721, 56.1749, 23.6626

Background



This preview shows how black text looks on a background with the XYZ color 31.2721, 56.1749, 23.6626.

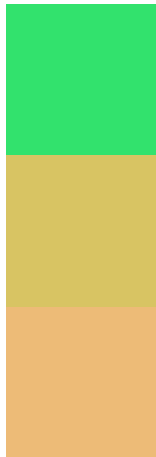


This preview shows how white text looks on a background with the XYZ color 31.2721, 56.1749,

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

31.2721, 56.1749, 23.6626

Protanopia

50.3110, 54.9796, 19.7648

Deuteranopia

56.0251, 54.8771, 25.0923



Tritanopia

43.1142, 55.8983, 83.3800

Trichromacy



Original Color

31.2721, 56.1749, 23.6626



Protanomaly

38.4713, 52.6728, 20.9712



Deuteranomaly

40.3433, 51.4461, 24.0234



Tritanomaly

37.3277, 55.4373, 55.1875

Monochromacy



Original Color

31.2721, 56.1749, 23.6626



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.6939, 40.1971, 31.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2721, 56.1749, 23.6626 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(50, 226, 109)` looks like.

```
.text, #text, p{  
    color:rgb(50, 226, 109)  
}
```

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(50, 226, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 226, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.2721, 56.1749, 23.6626 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(50, 226, 109) }
```


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

```
.border{ border-color:rgb(50, 226, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 226, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 226, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 226, 109);  
box-shadow:4px 4px 4px 4px rgb(50, 226,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2721, 56.1749, 23.6626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 226, 109) }
```

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

```
.background{ background-color: rgb(50, 226,  
109) }
```

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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