

Converting Colors

XYZ(31.6319, 34.2938, 52.9952)

Have a look what the booklet for
XYZ(31.6319, 34.2938, 52.9952)
contains.

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Color

**XYZ(31.6030, 34.1504,
53.0701)**

Conversions

Conversions Part 1

Format	Color
Hex	85A1BD
RGB	133, 161, 189
RGB Percent	52%, 63%, 74%
CMY	0.4784, 0.3686, 0.2588
CMYK	0.30, 0.15, 0.00, 0.26
HSL	210°, 30%, 63%
HSV	210°, 30%, 74%
XYZ	31.6030, 34.1504, 53.0701
YIQ	155.8200, -25.6760, 2.7720

Conversions

Conversions Part 2

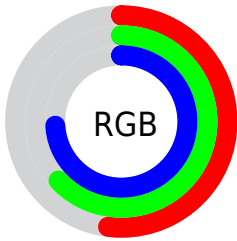
Format	Color
RYB	133, 152, 189
Decimal	8757693
CIELab	65.08, -3.10, -17.60
CIELCh	65, 17.871, 260.012
Yxy	34.1504, 0.2660, 0.2874
Android (android.graphics.Color)	4286947773 (0xFF85A1BD)
YUV	155.8200, 16.3577, -20.0131
Hunter-Lab	58.4383, -5.7357, -12.9367

Details

The XYZ color **31.6030, 34.1504, 53.0701** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9652, 38.0022, 27.5253**, and the grayscale version is **31.4582, 33.0964, 36.0420**.

A 20% lighter version of the original color is **61.5308, 66.2691, 95.9344**, and **13.4995, 14.7233, 25.4229** is the 20% darker color. If you saturate the color by 10%, you get **27.2941, 29.5703, 52.4137**, and if you desaturate by 10%, it is **36.5758, 39.2596, 53.7948**.

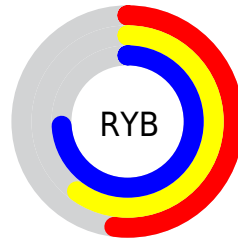
Distribution



Red (52%)

Green (63%)

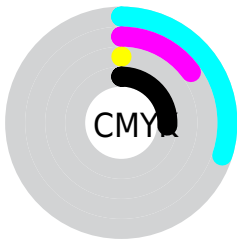
Blue (74%)



Red (52%)

Yellow (60%)

Blue (74%)

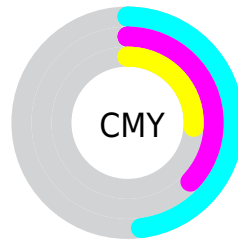


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (26%)



Cyan (48%)

Magenta (37%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6030, 34.1504, 53.0701 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 31.6030, 34.1504, 53.0701 by changing the saturation by 10% instead.

■ 31.6030, 34.1504,
53.0701

■ 31.6030, 34.1504,
53.0701

301.0843,
320.8022, 415.6279

■ 21.2125, 23.0092,
37.4706

■ 61.5576, 66.1675,
96.1501

■ 13.3928, 14.6003,
25.2734

■ 81.8524, 87.8121,
124.4677

■ 7.7784, 8.5393,
16.0600

■ 106.1794,
113.7267, 157.8618

■ 4.0041, 4.4420,
9.4118

134.9040,
144.2956, 196.7509

■ 1.7045, 1.9237,
4.9103

168.3913,
179.9032, 241.5535

■ 0.4591, 0.5626,
2.1369

207.0070,

■ 0.0000, 0.0000,

220.9339, 292.6881

0.6376

251.1162,
267.7721, 350.5735

■ 0.0000, 0.0000,
0.0000

■ 31.6030, 34.1504,
53.0701

■ 31.6030, 34.1504,
53.0701

■ 27.2941, 29.5703,
52.4137

■ 36.5758, 39.2596,
53.7948

■ 23.6143, 25.4949,
51.8211

■ 42.2385, 44.9130,
54.5875

■ 20.5303, 21.9037,
51.2904

■ 48.6197, 51.1298,
55.4511

■ 18.0042, 18.7728,
50.8192

■ 55.7453, 57.9270,
56.3876

■ 15.9932, 16.0754,
50.4046

■ 63.6399, 65.3211,
57.3987

■ 14.4471, 13.7811,
50.0432

■ 72.3267, 73.3274,
58.4862

■ 13.2735, 11.8373,
49.7299

■ 77.9355, 79.9543,
59.4697

■ 13.2332, 11.7698,
49.7190

■ 80.5937, 85.2708,
60.3558

■ 83.3960, 90.8754,
61.2899

Harmonies

Analogous

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



29.3632, 34.1504, 49.2148



31.6030, 34.1504, 53.0701



34.1929, 34.1504, 52.2568

Triad

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



31.6030, 34.1504, 53.0701



37.3658, 34.1504, 32.5143



28.7915, 34.1504, 28.7524

Complementary

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



31.6030, 34.1504, 53.0701



37.9652, 38.0022, 27.5253

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.



30.7846, 34.1504, 25.3300



31.6030, 34.1504, 53.0701



35.7649, 34.1504, 27.2934

Square

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



31.6030, 34.1504, 53.0701



37.6137, 34.1504, 39.7124



33.3302, 34.1504, 24.8340



27.7980, 34.1504, 34.7652

Rectangle

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



31.6030, 34.1504, 53.0701



35.7667, 34.1504, 49.2100



33.3302, 34.1504, 24.8340



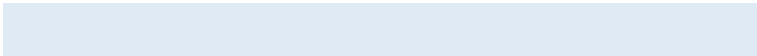
29.3617, 34.1504, 27.2966

Sweetspot

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



31.6041, 34.1518, 53.0709



76.1724, 80.9546, 97.8373



34.2222, 43.9228, 39.9633



16.0437, 17.0767, 20.9931



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.6041, 34.1518, 53.0709



51.1174, 55.3670, 94.2189



27.3748, 25.6933, 51.6611



9.4000, 9.9923, 12.1055



8.9801, 8.0719, 33.4776



0.4172, 0.4470, 1.3332

Inverse Universe

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



35.8076, 30.1679, 37.6554



60.0999, 47.5844, 61.1143



43.2180, 48.5078, 29.2762



9.7237, 9.6138, 10.9343



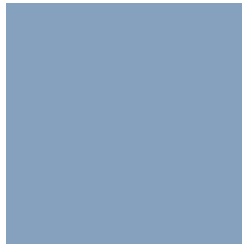
15.5335, 7.8446, 8.1030



0.6415, 0.3205, 0.4913

Previews

White Background



This preview shows how the XYZ color 31.6030, 34.1504, 53.0701 looks on a white background.

Color Contrast Check

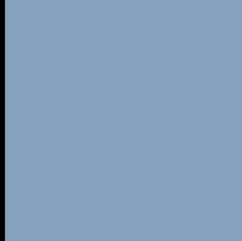
Large Text (above 18pt) WCAG AA × Fail

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 31.6030, 34.1504, 53.0701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

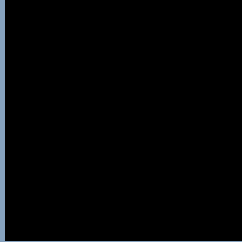
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

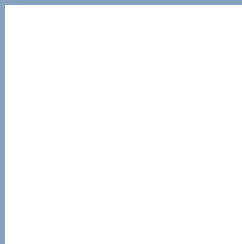
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6030, 34.1504, 53.0701

Background



This preview shows how black text looks on a background with the XYZ color 31.6030, 34.1504, 53.0701.



This preview shows how white text looks on a background with the XYZ color 31.6030, 34.1504,

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

31.6030, 34.1504, 53.0701

Protanopia

33.7003, 33.9975, 51.2404

Deuteranopia

34.7545, 33.9970, 53.4455



Tritanopia

30.1396, 34.0748, 46.0629

Trichromacy



Original Color

31.6030, 34.1504, 53.0701

Protanomaly

32.8736, 34.0613, 51.8556

Deuteranomaly

33.5640, 34.1275, 53.5335

Tritanomaly

30.6209, 34.0022, 48.6652

Monochromacy



Original Color

31.6030, 34.1504, 53.0701

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5075, 33.5768, 41.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6030, 34.1504, 53.0701 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(133, 161, 189)` looks like.

```
.text, #text, p{  
    color:rgb(133, 161, 189)  
}
```

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(133, 161, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 161, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.6030, 34.1504, 53.0701 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(133, 161, 189) }
```


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

```
.border{ border-color:rgb(133, 161, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 161, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 161, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 161, 189);  
box-shadow:4px 4px 4px 4px rgb(133, 161,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6030, 34.1504, 53.0701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 161, 189) }
```

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

```
.background{ background-color: rgb(133,  
161, 189) }
```

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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