

Converting Colors

XYZ(33.6200, 36.2647, 8.2991)

Have a look what the booklet for
XYZ(33.6200, 36.2647, 8.2991)
contains.

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Color

**XYZ(33.5703, 36.1591,
8.2277)**

Conversions

Conversions Part 1

Format	Color
Hex	BAA132
RGB	186, 161, 50
RGB Percent	73%, 63%, 20%
CMY	0.2706, 0.3686, 0.8039
CMYK	0.00, 0.13, 0.73, 0.27
HSL	49°, 58%, 46%
HSV	49°, 73%, 73%
XYZ	33.5703, 36.1591, 8.2277
YIQ	155.8210, 50.5310, -29.2210

Conversions

Conversions Part 2

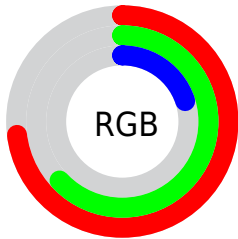
Format	Color
RYB	81, 186, 50
Decimal	12230962
CIELab	66.64, -2.78, 57.93
CIELCh	67, 57.997, 92.745
Yxy	36.1591, 0.4306, 0.4638
Android (android.graphics.Color)	4290421042 (0xFFBAA132)
YUV	155.8210, -52.1698, 26.4670
Hunter-Lab	60.1324, -5.5801, 33.9803

Details

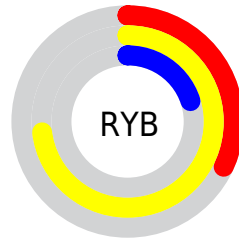
The XYZ color **33.5703, 36.1591, 8.2277** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.6945, 9.2553, 47.5715**, and the grayscale version is **31.7305, 33.3829, 36.3540**.

A 20% lighter version of the original color is **64.4553, 69.0128, 23.0204**, and **14.6292, 15.8190, 2.2823** is the 20% darker color. If you saturate the color by 10%, you get **32.6587, 34.8530, 6.3304**, and if you desaturate by 10%, it is **34.6629, 37.5665, 10.9901**.

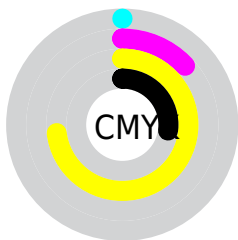
Distribution



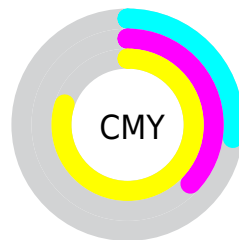
- Red (73%)
- Green (63%)
- Blue (20%)



- Red (32%)
- Yellow (73%)
- Blue (20%)



- Cyan (0%)
- Magenta (13%)
- Yellow (73%)
- Black (27%)





- Cyan (27%)
- Magenta (37%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5703, 36.1591, 8.2277 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 33.5703, 36.1591, 8.2277 by changing the saturation by 10% instead.


 33.5703, 36.1591,
8.2277


 33.5703, 36.1591,
8.2277


309.8315,
329.6554, 187.5080


 22.7250, 24.5571,
4.1511


 64.6136, 69.2776,
22.9571

 14.5102, 15.7474,
1.7086


 85.5424, 91.5628,
34.4471


 8.5604, 9.3456,
0.3666


 110.5630,
118.1779, 49.2452

 4.5104, 4.9673,
0.0000

 140.0408,
149.5073, 67.7701

 1.9947, 2.2281,
0.0000

 174.3412,
185.9354, 90.4403

 0.6310, 0.7352,
0.0000

 213.8296,

 0.0000, 0.0000,

227.8465, 117.6743

0.0000

258.8712,
275.6250, 149.8907

■ 33.5703, 36.1591,
8.2277

■ 33.5703, 36.1591,
8.2277

■ 32.6587, 34.8530,
6.3304

■ 34.6629, 37.5665,
10.9901

■ 31.9043, 33.6343,
5.1847

■ 35.9517, 39.0774,
14.7084

■ 31.4478, 32.8354,
4.6804

■ 37.4531, 40.6999,
19.4641

■ 39.1808, 42.4396,
25.3296

■ 41.1476, 44.3019,
32.3705

■ 43.3650, 46.2915,
40.6476

■ 45.8438, 48.4131,
50.2173

■ 48.5943, 50.6708,
61.1327

■ 51.6260, 53.0687,
73.4436

Harmonies

Analogous

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



42.6431, 36.1591, 10.2316



33.5703, 36.1591, 8.2277



26.0641, 36.1591, 11.1983

Triad

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



33.5703, 36.1591, 8.2277



22.0941, 36.1591, 71.5222



51.5558, 36.1591, 65.7466

Complementary

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



33.5703, 36.1591, 8.2277



12.6945, 9.2553, 47.5715

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.



44.2716, 36.1591, 95.2312



33.5703, 36.1591, 8.2277



27.2395, 36.1591, 99.4413

Square

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



33.5703, 36.1591, 8.2277



20.1794, 36.1591, 41.7192



35.1785, 36.1591, 109.5633



54.0107, 36.1591, 37.1129

Rectangle

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



33.5703, 36.1591, 8.2277



22.6632, 36.1591, 16.8497



35.1785, 36.1591, 109.5633



49.5363, 36.1591, 76.2351

Sweetspot

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



33.5711, 36.1608, 8.2284



74.8691, 80.5634, 59.7228



22.7371, 13.2593, 8.4198



16.2620, 17.5331, 12.3290



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.



33.5711, 36.1608, 8.2284



58.2989, 61.7553, 10.0142



29.8471, 41.3860, 9.4333



9.6061, 10.2151, 9.5723



21.2078, 22.1919, 3.1657



0.7846, 0.8562, 0.1239

Inverse Universe

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



12.6945, 9.2553, 47.5715



18.6556, 10.8527, 85.3129



14.2986, 8.0408, 47.2525



8.6511, 8.9794, 11.3567



6.3921, 3.2438, 31.5423



0.2662, 0.1960, 1.1256

Previews

White Background



This preview shows how the XYZ color 33.5703, 36.1591, 8.2277 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 33.5703, 36.1591, 8.2277 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 33.5703, 36.1591, 8.2277

Background



This preview shows how black text looks on a background with the XYZ color 33.5703, 36.1591, 8.2277.

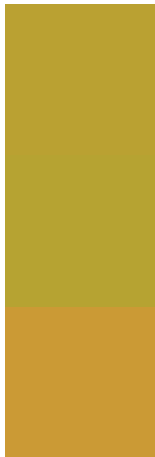


This preview shows how white text looks on a background with the XYZ color 33.5703, 36.1591,

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

33.5703, 36.1591, 8.2277

Protanopia

32.9643, 36.3698, 8.3003

Deuteranopia

36.8268, 36.0648, 8.3884



Tritanopia

39.6761, 35.8907, 39.0189

Trichromacy



Original Color

33.5703, 36.1591, 8.2277

Protanomaly

33.0245, 36.1382, 8.2524

Deuteranomaly

35.7028, 36.2322, 8.3606

Tritanomaly

36.4926, 35.5680, 23.0311

Monochromacy



Original Color

33.5703, 36.1591, 8.2277

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3741, 33.9536, 21.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5703, 36.1591, 8.2277 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(186, 161, 50)` looks like.

```
.text, #text, p{  
    color:rgb(186, 161, 50)  
}
```

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(186, 161, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 161, 50) }
```

Border

The CSS property to change the border of an element to XYZ 33.5703, 36.1591, 8.2277 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(186, 161, 50) }
```


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

```
.border{ border-color:rgb(186, 161, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 161, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 161, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 161, 50);  
box-shadow:4px 4px 4px 4px rgb(186, 161,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5703, 36.1591, 8.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 161, 50) }
```

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

```
.background{ background-color: rgb(186,  
161, 50) }
```

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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