

Converting Colors

XYZ(33.6861, 36.6078, 66.2742)

Have a look what the booklet for
XYZ(33.6861, 36.6078, 66.2742)
contains.

XYZ(33.6200, 36.5015, 66.2463)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6200, 36.5015,
66.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA7D2
RGB	123, 167, 210
RGB Percent	48%, 65%, 82%
CMY	0.5176, 0.3451, 0.1765
CMYK	0.41, 0.20, 0.00, 0.18
HSL	210°, 49%, 65%
HSV	210°, 41%, 82%
XYZ	33.6200, 36.5015, 66.2463
YIQ	158.7460, -40.0270, 4.0450

Conversions

Conversions Part 2

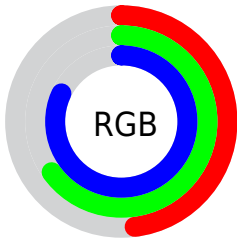
Format	Color
RYB	123, 152, 210
Decimal	8103890
CIELab	66.90, -3.72, -26.54
CIELCh	67, 26.798, 262.011
Yxy	36.5015, 0.2465, 0.2677
Android (android.graphics.Color)	4286293970 (0xFF7BA7D2)
YUV	158.7460, 25.2682, -31.3492
Hunter-Lab	60.4165, -6.3988, -22.7196

Details

The XYZ color **33.6200, 36.5015, 66.2463** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.7908, 42.4054, 24.6174**, and the grayscale version is **32.7412, 34.4463, 37.5120**.

A 20% lighter version of the original color is **62.5314, 68.9275, 104.6163**, and **14.5014, 15.8932, 33.3137** is the 20% darker color. If you saturate the color by 10%, you get **29.1063, 31.4649, 65.5127**, and if you desaturate by 10%, it is **38.9331, 42.1783, 67.0627**.

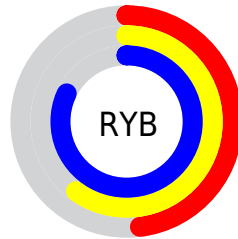
Distribution



Red (48%)

Green (65%)

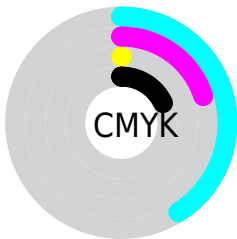
Blue (82%)



Red (48%)

Yellow (60%)

Blue (82%)

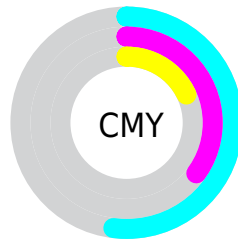


Cyan (41%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6200, 36.5015, 66.2463 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 33.6200, 36.5015, 66.2463 by changing the saturation by 10% instead.

■ 33.6200, 36.5015,
66.2463

■ 33.6200, 36.5015,
66.2463

310.0501,
331.1472, 465.6855

■ 22.7633, 24.8218,
48.0146

■ 64.6905, 69.8054,
115.4701

■ 14.5386, 15.9443,
33.4784

■ 85.6351, 92.1984,
147.2994

■ 8.5804, 9.4848,
22.2191

■ 110.6730,
118.9312, 184.4982

■ 4.5234, 5.0587,
13.8181

140.1696,
150.3883, 227.4852

■ 2.0023, 2.2817,
7.8570

174.4903,
186.9541, 276.6789

■ 0.6353, 0.7640,
3.9171

214.0003,

■ 0.0000, 0.0000,

229.0129, 332.4978

1.5800

259.0652,
276.9491, 395.3605

■ 0.0000, 0.0000,
0.2765

■ 0.0000, 0.0000,
0.0000

■ 33.6200, 36.5015,
66.2463

■ 33.6200, 36.5015,
66.2463

■ 29.1063, 31.4649,
65.5127

■ 38.9331, 42.1783,
67.0627

■ 25.3432, 27.0358,
64.8561

■ 45.0833, 48.5176,
67.9621

■ 22.2818, 23.1842,
64.2740

■ 52.1101, 55.5454,
68.9483

■ 19.8650, 19.8750,
63.7627

■ 60.0494, 63.2851,
70.0237

■ 18.0253, 17.0675,
63.3177

■ 68.9348, 71.7586,
71.1910

■ 16.8084, 15.0041,
62.9836

■ 78.7982, 80.9869,
72.4524

■ 83.9325, 88.0323,
73.5416

■ 87.0703, 94.3078,
74.5876

■ 88.6330, 97.4332,
75.1085

Harmonies

Analogous

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



30.1075, 36.5015, 60.0939



33.6200, 36.5015, 66.2463



37.7020, 36.5015, 64.2805

Triad

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



33.6200, 36.5015, 66.2463



42.4451, 36.5015, 31.9407



28.8982, 36.5015, 27.5112

Complementary

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



33.6200, 36.5015, 66.2463



43.7908, 42.4054, 24.6174

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.



31.8496, 36.5015, 22.4125



33.6200, 36.5015, 66.2463



39.7232, 36.5015, 24.6007

Square

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



33.6200, 36.5015, 66.2463



43.0117, 36.5015, 42.9325



35.7898, 36.5015, 21.4621



27.5236, 36.5015, 36.7173

Rectangle

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



33.6200, 36.5015, 66.2463



40.1843, 36.5015, 58.7751



35.7898, 36.5015, 21.4621



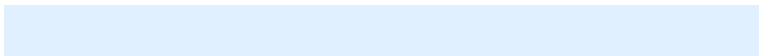
29.7273, 36.5015, 25.3405

Sweetspot

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



33.6212, 36.5029, 66.2472



80.0382, 85.3784, 106.8690



38.0122, 53.0235, 43.8536



16.8089, 17.9550, 22.8297



0.0000, 0.0000, 0.0000



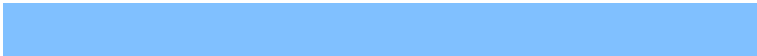
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6212, 36.5029, 66.2472



45.7229, 49.4622, 101.7450



27.0667, 23.3939, 64.0623



11.6507, 12.3917, 15.0214



10.3536, 9.3538, 38.4523



0.6583, 0.6817, 2.1765

Inverse Universe

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



40.6374, 30.6589, 40.3365



58.4066, 40.3732, 54.5736



52.8445, 60.5129, 27.6353



12.0546, 11.9066, 13.5634



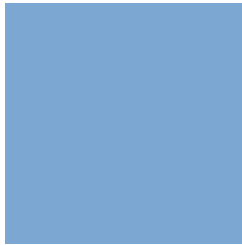
17.8568, 9.0155, 9.4178



1.0385, 0.5201, 0.7375

Previews

White Background



This preview shows how the XYZ color 33.6200, 36.5015, 66.2463 looks on a white background.

Color Contrast Check

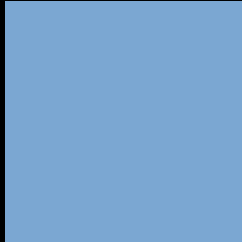
Large Text (above 18pt) WCAG AA × Fail

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 33.6200, 36.5015, 66.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

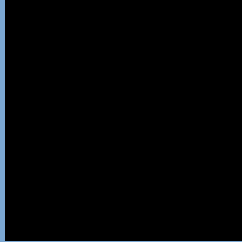
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6200, 36.5015, 66.2463

Background



This preview shows how black text looks on a background with the XYZ color 33.6200, 36.5015, 66.2463.

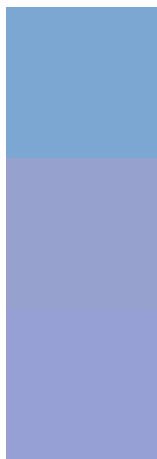


This preview shows how white text looks on a background with the XYZ color 33.6200, 36.5015,

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

33.6200, 36.5015, 66.2463

Protanopia

36.5268, 36.4768, 62.8732

Deuteranopia

37.2170, 36.4744, 67.3661



Tritanopia

30.5223, 36.3416, 51.3049

Trichromacy



Original Color

33.6200, 36.5015, 66.2463

Protanomaly

35.3442, 36.3621, 64.1872

Deuteranomaly

35.8396, 36.5603, 66.7959

Tritanomaly

31.7201, 36.5664, 56.4251

Monochromacy



Original Color

33.6200, 36.5015, 66.2463

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8103, 35.1660, 47.1779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6200, 36.5015, 66.2463 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(123, 167, 210)` looks like.

```
.text, #text, p{  
    color:rgb(123, 167, 210)  
}
```

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(123, 167, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 167, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.6200, 36.5015, 66.2463 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(123, 167, 210) }
```


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

```
.border{ border-color:rgb(123, 167, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 167, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 167, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 167, 210);  
box-shadow:4px 4px 4px 4px rgb(123, 167,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6200, 36.5015, 66.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 167, 210) }
```

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

```
.background{ background-color: rgb(123,  
167, 210) }
```

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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