

Converting Colors

XYZ(33.2028, 36.7408, 54.7766)

Have a look what the booklet for
XYZ(33.2028, 36.7408, 54.7766)
contains.

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Color

**XYZ(33.2381, 36.8352,
54.6483)**

Conversions

Conversions Part 1

Format	Color
Hex	86A8BF
RGB	134, 168, 191
RGB Percent	53%, 66%, 75%
CMY	0.4745, 0.3412, 0.2510
CMYK	0.30, 0.12, 0.00, 0.25
HSL	204°, 31%, 64%
HSV	204°, 30%, 75%
XYZ	33.2381, 36.8352, 54.6483
YIQ	160.4560, -27.6470, -0.0550

Conversions

Conversions Part 2

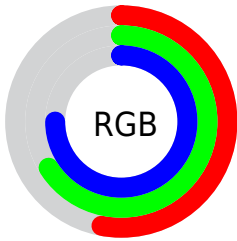
Format	Color
RYB	134, 155, 191
Decimal	8825023
CIELab	67.15, -6.15, -15.57
CIELCh	67, 16.745, 248.437
Yxy	36.8352, 0.2665, 0.2953
Android (android.graphics.Color)	4287015103 (0xFF86A8BF)
YUV	160.4560, 15.0582, -23.2019
Hunter-Lab	60.6920, -8.4551, -10.9015

Details

The XYZ color **33.2381, 36.8352, 54.6483** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.8464, 36.9118, 27.6851**, and the grayscale version is **33.5667, 35.3148, 38.4578**.

A 20% lighter version of the original color is **63.9152, 70.1821, 98.1735**, and **14.3125, 16.1196, 26.4018** is the 20% darker color. If you saturate the color by 10%, you get **29.0838, 32.6445, 54.0590**, and if you desaturate by 10%, it is **38.0288, 41.4809, 55.2931**.

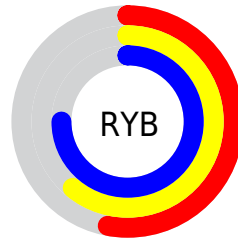
Distribution



Red (53%)

Green (66%)

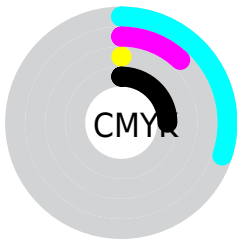
Blue (75%)



Red (53%)

Yellow (61%)

Blue (75%)

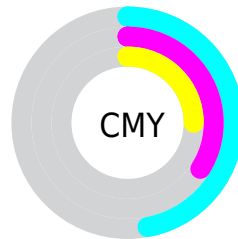


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (34%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2381, 36.8352, 54.6483 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 33.2381, 36.8352, 54.6483 by changing the saturation by 10% instead.

■ 33.2381, 36.8352,
54.6483

■ 33.2381, 36.8352,
54.6483

308.3673,
332.5965, 421.8217

■ 22.4690, 25.0799,
38.7235

■ 64.0993, 70.3192,
98.4914

■ 14.3205, 16.1366,
26.2385

■ 84.9221, 92.8168,
127.2469

■ 8.4271, 9.6209,
16.7748

■ 109.8268,
119.6639, 161.1163

■ 4.4235, 5.1483,
9.9138

139.1789,
151.2450, 200.5182

■ 1.9444, 2.3345,
5.2370

173.3436,
187.9443, 245.8711

■ 0.6024, 0.7919,
2.3258

212.6864,

■ 0.0000, 0.0000,

230.1465, 297.5937

0.7456

257.5725,
278.2357, 356.1044

■ 0.0000, 0.0000,
0.0000

■ 33.2381, 36.8352,
54.6483

■ 33.2381, 36.8352,
54.6483

■ 29.0838, 32.6445,
54.0590

■ 38.0288, 41.4809,
55.2931

■ 25.5315, 28.8863,
53.5208

■ 43.4813, 46.5942,
55.9927

■ 22.5483, 25.5424,
53.0326

■ 49.6238, 52.1925,
56.7496

■ 20.0969, 22.5911,
52.5922

■ 56.4814, 58.2908,
57.5652

■ 18.1345, 20.0082,
52.1970

■ 64.0784, 64.9035,
58.4412

■ 16.6112, 17.7655,
51.8444

■ 72.4376, 72.0444,
59.3789

■ 15.4317, 15.8113,
51.5294

■ 76.7518, 77.2370,
60.1538

■ 15.4142, 15.7819,
51.5246

■ 78.8450, 81.4235,
60.8516

■ 81.0331, 85.7997,
61.5809

Harmonies

Analogous

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



31.3061, 36.8352, 49.4934



33.2381, 36.8352, 54.6483



35.7357, 36.8352, 55.6765

Triad

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



33.2381, 36.8352, 54.6483



40.0925, 36.8352, 38.0804



32.0480, 36.8352, 30.0757

Complementary

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



33.2381, 36.8352, 54.6483



37.8464, 36.9118, 27.6851

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.



34.2957, 36.8352, 27.7502



33.2381, 36.8352, 54.6483



38.9968, 36.8352, 31.9898

Square

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



33.2381, 36.8352, 54.6483



39.7755, 36.8352, 45.4971



36.8453, 36.8352, 28.4057



30.6425, 36.8352, 35.1609

Rectangle

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



33.2381, 36.8352, 54.6483



37.3998, 36.8352, 53.7777



36.8453, 36.8352, 28.4057



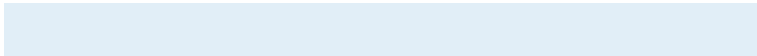
32.7256, 36.8352, 28.9753

Sweetspot

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



33.2392, 36.8367, 54.6491



78.6033, 84.1224, 100.3735



34.5318, 44.7582, 38.6288



16.9250, 18.1624, 21.9989



92.9021, 97.7402, 106.4391



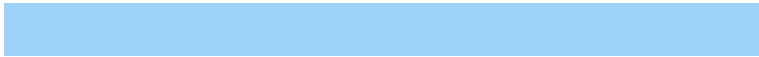
19.4759, 20.4902, 22.3138

Same Dimension

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



33.2392, 36.8367, 54.6491



54.4022, 60.8354, 97.1542



28.5706, 27.4994, 53.0929



9.4769, 10.1461, 12.1311



10.2105, 10.5327, 33.8878



0.4625, 0.5377, 1.3483

Inverse Universe

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



37.0798, 30.9546, 41.0680



62.5710, 49.1198, 68.0889



43.2014, 47.6219, 29.4701



9.7626, 9.6293, 11.1386



16.1546, 8.0930, 11.3734



0.6644, 0.3296, 0.6118

Previews

White Background



This preview shows how the XYZ color 33.2381, 36.8352, 54.6483 looks on a white background.

Color Contrast Check

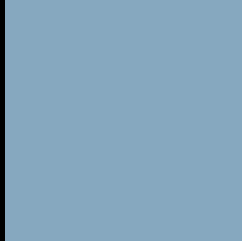
Large Text (above 18pt) WCAG AA × Fail

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 33.2381, 36.8352, 54.6483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

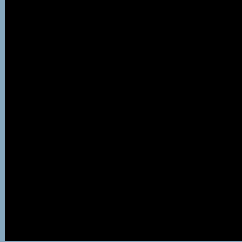
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

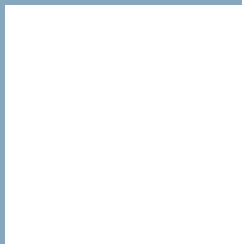
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2381, 36.8352, 54.6483

Background



This preview shows how black text looks on a background with the XYZ color 33.2381, 36.8352, 54.6483.



This preview shows how white text looks on a background with the XYZ color 33.2381, 36.8352,

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

33.2381, 36.8352, 54.6483

Protanopia

36.1880, 36.7994, 52.2094

Deuteranopia

37.3336, 36.5390, 55.5371



Tritanopia

32.2509, 36.7004, 50.1838

Trichromacy



Original Color

33.2381, 36.8352, 54.6483

Protanomaly

34.9302, 36.6658, 52.8131

Deuteranomaly

35.5716, 36.4187, 55.0239

Tritanomaly

32.7238, 36.9077, 51.8535

Monochromacy



Original Color

33.2381, 36.8352, 54.6483

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2104, 35.7140, 43.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2381, 36.8352, 54.6483 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(134, 168, 191)` looks like.

```
.text, #text, p{  
    color:rgb(134, 168, 191)  
}
```

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(134, 168, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 168, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.2381, 36.8352, 54.6483 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(134, 168, 191) }
```


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

```
.border{ border-color:rgb(134, 168, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 168, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 168, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 168, 191);  
box-shadow:4px 4px 4px 4px rgb(134, 168,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2381, 36.8352, 54.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 168, 191) }
```

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

```
.background{ background-color: rgb(134,  
168, 191) }
```

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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