

Converting Colors

XYZ(32.8699, 36.0556, 53.2006)

Have a look what the booklet for
XYZ(32.8699, 36.0556, 53.2006)
contains.

XYZ(32.9749, 36.1808, 53.3897)	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(32.9749, 36.1808,
53.3897)**

Conversions

Conversions Part 1

Format	Color
Hex	88A6BD
RGB	136, 166, 189
RGB Percent	53%, 65%, 74%
CMY	0.4667, 0.3490, 0.2588
CMYK	0.28, 0.12, 0.00, 0.26
HSL	206°, 29%, 64%
HSV	206°, 28%, 74%
XYZ	32.9749, 36.1808, 53.3897
YIQ	159.6520, -25.2630, 0.7930

Conversions

Conversions Part 2

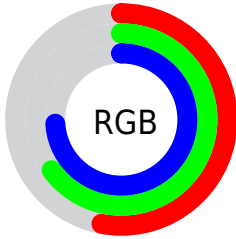
Format	Color
RYB	136, 155, 189
Decimal	8955581
CIELab	66.66, -4.95, -15.20
CIELCh	67, 15.984, 251.955
Yxy	36.1808, 0.2691, 0.2952
Android (android.graphics.Color)	4287145661 (0xFF88A6BD)
YUV	159.6520, 14.4686, -20.7428
Hunter-Lab	60.1505, -7.4084, -10.5206

Details

The XYZ color **32.9749, 36.1808, 53.3897** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8289, 37.3931, 28.5174**, and the grayscale version is **33.1983, 34.9272, 38.0357**.

A 20% lighter version of the original color is **63.5731, 69.2526, 96.4026**, and **14.2076, 15.7435, 25.5825** is the 20% darker color. If you saturate the color by 10%, you get **28.7284, 31.8493, 52.7781**, and if you desaturate by 10%, it is **37.8600, 40.9844, 54.0600**.

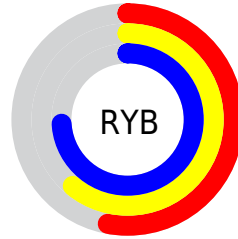
Distribution



Red (53%)

Green (65%)

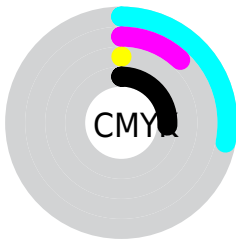
Blue (74%)



Red (53%)

Yellow (61%)

Blue (74%)

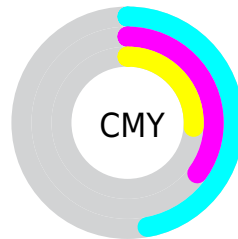


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (35%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9749, 36.1808, 53.3897 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 32.9749, 36.1808, 53.3897 by changing the saturation by 10% instead.

■ 32.9749, 36.1808,
53.3897

■ 32.9749, 36.1808,
53.3897

307.2036,
329.7501, 416.8871

■ 22.2664, 24.5739,
37.7241

■ 63.6913, 69.3110,
96.6249

■ 14.1704, 15.7599,
25.4685

■ 84.4298, 91.6031,
125.0316

■ 8.3218, 9.3544,
16.2042

■ 109.2424,
118.2257, 158.5224

■ 4.3551, 4.9730,
9.5129

138.4944,
149.5632, 197.5159

■ 1.9049, 2.2315,
4.9758

172.5512,
186.0000, 242.4305

■ 0.5797, 0.7371,
2.1746

211.7781,

■ 0.0000, 0.0000,

227.9205, 293.6849

0.6597

256.5404,
275.7091, 351.6976

■ 0.0000, 0.0000,
0.0000

■ 32.9749, 36.1808,
53.3897

■ 32.9749, 36.1808,
53.3897

■ 28.7284, 31.8493,
52.7781

■ 37.8600, 40.9844,
54.0600

■ 25.0870, 27.9675,
52.2207

■ 43.4083, 46.2727,
54.7883

■ 22.0189, 24.5171,
51.7164

■ 49.6474, 52.0633,
55.5772

■ 19.4879, 21.4766,
51.2630

■ 56.6020, 58.3713,
56.4282

■ 17.4532, 18.8222,
50.8579

■ 64.2956, 65.2112,
57.3430

■ 15.8671, 16.5265,
50.4983

■ 72.7507, 72.5969,
58.3229

■ 14.6571, 14.5488,
50.1804

■ 76.9236, 77.9306,
59.1325

■ 14.4417, 14.1868,
50.1218

■ 79.1736, 82.4306,
59.8825

■ 81.5313, 87.1460,
60.6684

Harmonies

Analogous

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



31.0604, 36.1808, 48.9375



32.9749, 36.1808, 53.3897



35.3564, 36.1808, 53.8373

Triad

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



32.9749, 36.1808, 53.3897



39.1183, 36.1808, 36.7123



31.3864, 36.1808, 30.3366

Complementary

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



32.9749, 36.1808, 53.3897



37.8289, 37.3931, 28.5174

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.



33.4389, 36.1808, 27.7979



32.9749, 36.1808, 53.3897



37.9468, 36.1808, 31.1809

Square

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



32.9749, 36.1808, 53.3897



38.9798, 36.1808, 43.6450



35.8425, 36.1808, 28.0878



30.1731, 36.1808, 35.4297

Rectangle

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



32.9749, 36.1808, 53.3897



36.8969, 36.1808, 51.7455



35.8425, 36.1808, 28.0878



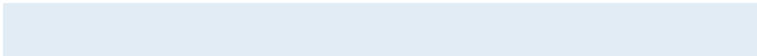
31.9969, 36.1808, 29.1845

Sweetspot

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



32.9760, 36.1822, 53.3905



77.6521, 82.7875, 98.1131



34.6069, 44.1322, 39.4810



16.3597, 17.4836, 21.0550



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.



32.9760, 36.1822, 53.3905



53.9863, 59.6620, 94.8967



28.6496, 27.5295, 51.9484



9.4525, 10.0973, 12.1230



9.7939, 9.6995, 33.7489



0.4476, 0.5078, 1.3433

Inverse Universe

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



36.6743, 31.1813, 40.1636



61.9002, 49.6530, 66.4373



42.8776, 47.4906, 30.2003



9.7503, 9.6244, 11.0739



15.9443, 8.0089, 10.2660



0.6568, 0.3266, 0.5720

Previews

White Background



This preview shows how the XYZ color 32.9749, 36.1808, 53.3897 looks on a white background.

Color Contrast Check

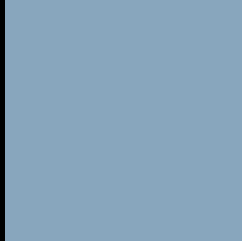
Large Text (above 18pt) WCAG AA × Fail

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 32.9749, 36.1808, 53.3897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

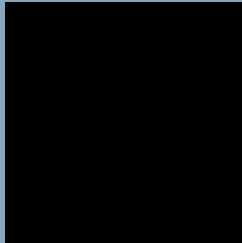
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

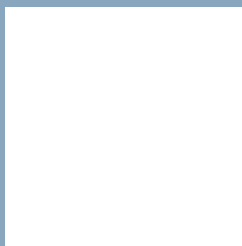
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9749, 36.1808, 53.3897

Background



This preview shows how black text looks on a background with the XYZ color 32.9749, 36.1808, 53.3897.



This preview shows how white text looks on a background with the XYZ color 32.9749, 36.1808,

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

32.9749, 36.1808, 53.3897

Protanopia

35.4283, 35.9135, 50.9637

Deuteranopia

36.7351, 36.0018, 54.3031



Tritanopia

31.9907, 36.0420, 48.9868

Trichromacy



Original Color

32.9749, 36.1808, 53.3897

Protanomaly

34.3609, 35.8699, 51.5669

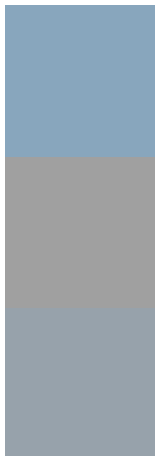
Deuteranomaly

35.1760, 35.9797, 53.8060

Tritanomaly

32.4621, 36.2490, 50.6332

Monochromacy



Original Color

32.9749, 36.1808, 53.3897

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0335, 35.3602, 43.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9749, 36.1808, 53.3897 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(136, 166, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 166, 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(136, 166, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 166, 189) }
```

Border

The CSS property to change the border of an element to XYZ 32.9749, 36.1808, 53.3897 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(136, 166, 189) }
```


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

```
.border{ border-color:rgb(136, 166, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 166, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 166, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 166, 189);  
box-shadow:4px 4px 4px 4px rgb(136, 166,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9749, 36.1808, 53.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 166, 189) }
```

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

```
.background{ background-color: rgb(136,  
166, 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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