

Converting Colors

XYZ(33.7144, 41.8837, 55.7427)

Have a look what the booklet for
XYZ(33.7144, 41.8837, 55.7427)
contains.

XYZ(33.6147, 41.6874, 55.5650)	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(33.6147, 41.6874,
55.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	73B8BF
RGB	115, 184, 191
RGB Percent	45%, 72%, 75%
CMY	0.5490, 0.2784, 0.2510
CMYK	0.40, 0.04, 0.00, 0.25
HSL	186°, 37%, 60%
HSV	186°, 40%, 75%
XYZ	33.6147, 41.6874, 55.5650
YIQ	164.1670, -43.3710, -12.4510

Conversions

Conversions Part 2

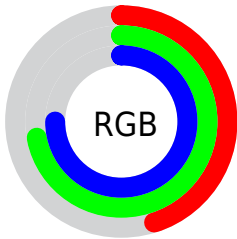
Format	Color
RYB	115, 151, 191
Decimal	7583935
CIELab	70.65, -19.92, -10.42
CIElCh	71, 22.482, 207.611
Yxy	41.6874, 0.2569, 0.3185
Android (android.graphics.Color)	4285774015 (0xFF73B8BF)
YUV	164.1670, 13.2287, -43.1195
Hunter-Lab	64.5658, -20.0582, -5.8286

Details

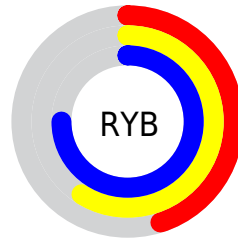
The XYZ color **33.6147, 41.6874, 55.5650** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5406, 26.2338, 19.6220**, and the grayscale version is **35.3209, 37.1604, 40.4676**.

A 20% lighter version of the original color is **64.5262, 77.5816, 99.5696**, and **14.5672, 19.0282, 26.9498** is the 20% darker color. If you saturate the color by 10%, you get **30.9959, 39.7993, 55.3393**, and if you desaturate by 10%, it is **36.7609, 43.8561, 55.8185**.

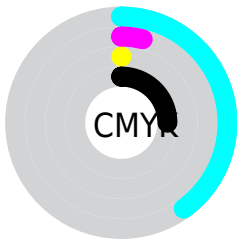
Distribution



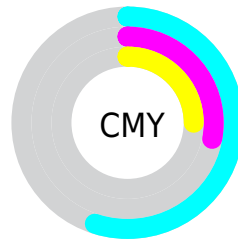
- Red (45%)
- Green (72%)
- Blue (75%)



- Red (45%)
- Yellow (59%)
- Blue (75%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6147, 41.6874, 55.5650 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 33.6147, 41.6874, 55.5650 by changing the saturation by 10% instead.

■ 33.6147, 41.6874,
55.5650

■ 33.6147, 41.6874,
55.5650

310.0268,
353.1854, 425.3923

■ 22.7592, 28.8566,
39.4526

■ 64.6823, 77.7263,
99.8477

■ 14.5356, 18.9724,
26.8015

■ 85.6252, 101.7032,
128.8551

■ 8.5783, 11.6503,
17.1931

■ 110.6613,
130.1642, 162.9979

■ 4.5220, 6.5060,
10.2088

140.1559,
163.4938, 202.6947

■ 2.0015, 3.1552,
5.4302

174.4744,
202.0763, 248.3640

■ 0.6348, 1.2133,
2.4387

213.9821,

■ 0.0000, 0.0725,

246.2962, 300.4243

0.8074

259.0445,
296.5377, 359.2942

■ 0.0000, 0.0000,
0.0000

■ 33.6147, 41.6874,
55.5650

■ 33.6147, 41.6874,
55.5650

■ 30.9959, 39.7993,
55.3393

■ 36.7609, 43.8561,
55.8185

■ 28.8683, 38.1702,
55.1370

■ 40.4605, 46.3158,
56.0983

■ 27.1972, 36.7831,
54.9573

■ 44.7419, 49.0823,
56.4066

■ 25.9417, 35.6170,
54.7984

■ 49.6309, 52.1688,
56.7447

■ 25.0533, 34.6467,
54.6580

■ 55.1513, 55.5877,
57.1136

■ 24.4393, 33.8245,
54.5316

■ 61.3261, 59.3507,
57.5145

■ 24.4271, 33.8076,
54.5290

■ 68.1767, 63.4690,
57.9484

■ 70.8550, 65.4434,
58.1883

■ 71.2595, 66.2525,
58.3232

Harmonies

Analogous

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



32.8953, 41.6874, 44.5416



33.6147, 41.6874, 55.5650



35.9122, 41.6874, 64.9855

Triad

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



33.6147, 41.6874, 55.5650



45.9767, 41.6874, 57.2755



39.9217, 41.6874, 27.8411

Complementary

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



33.6147, 41.6874, 55.5650



31.5406, 26.2338, 19.6220

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.



43.5802, 41.6874, 30.1929



33.6147, 41.6874, 55.5650



47.2098, 41.6874, 46.2501

Square

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



33.6147, 41.6874, 55.5650



43.0320, 41.6874, 66.0768



46.3069, 41.6874, 36.5406



36.3983, 41.6874, 29.5466

Rectangle

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



33.6147, 41.6874, 55.5650



38.1073, 41.6874, 68.4900



46.3069, 41.6874, 36.5406



41.1776, 41.6874, 28.1741

Sweetspot

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



33.6160, 41.6890, 55.5660



78.1934, 86.6645, 100.8858



29.1736, 42.2960, 24.8239



16.9421, 18.8838, 22.1373



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.



33.6160, 41.6890, 55.5660



55.9543, 71.6061, 99.1514



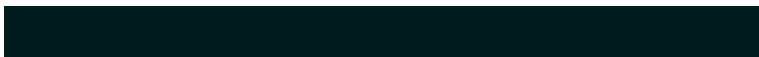
26.8571, 28.1714, 53.3130



9.7314, 10.6552, 12.2160



16.0842, 22.2801, 35.8457



0.6522, 0.9171, 1.4115

Inverse Universe

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



36.2694, 26.7996, 48.6104



61.4829, 41.5194, 84.4487



37.0368, 37.2262, 21.4540



9.8911, 9.6807, 11.8153



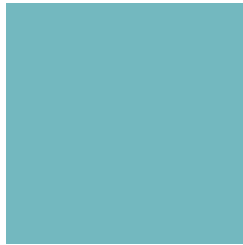
19.1193, 9.2789, 26.9856



0.7601, 0.3679, 1.1160

Previews

White Background



This preview shows how the XYZ color 33.6147, 41.6874, 55.5650 looks on a white background.

Color Contrast Check

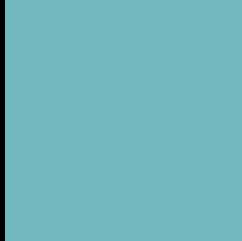
Large Text (above 18pt) WCAG AA × Fail

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 33.6147, 41.6874, 55.5650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

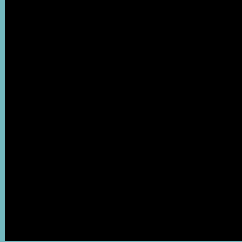
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6147, 41.6874, 55.5650

Background



This preview shows how black text looks on a background with the XYZ color 33.6147, 41.6874, 55.5650.

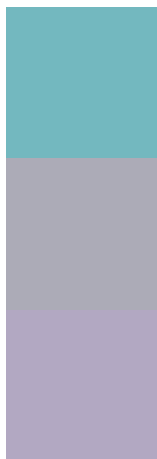


This preview shows how white text looks on a background with the XYZ color 33.6147, 41.6874,

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

33.6147, 41.6874, 55.5650

Protanopia

40.1234, 41.3154, 50.6597

Deuteranopia

42.1003, 41.3653, 56.8043



Tritanopia

34.4626, 41.7261, 59.6636

Trichromacy



Original Color

33.6147, 41.6874, 55.5650

Protanomaly

37.1508, 41.1751, 52.4439

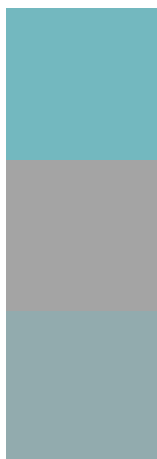
Deuteranomaly

38.2793, 41.0909, 56.3659

Tritanomaly

33.9863, 41.5201, 57.8527

Monochromacy



Original Color

33.6147, 41.6874, 55.5650

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.0570, 38.2928, 45.6407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6147, 41.6874, 55.5650 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(115, 184, 191)` looks like.

```
.text, #text, p{  
    color:rgb(115, 184, 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(115, 184, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 184, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.6147, 41.6874, 55.5650 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(115, 184, 191) }
```


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

```
.border{ border-color:rgb(115, 184, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 184, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 184, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 184, 191);  
box-shadow:4px 4px 4px 4px rgb(115, 184,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6147, 41.6874, 55.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 184, 191) }
```

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

```
.background{ background-color: rgb(115,  
184, 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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