

Converting Colors

XYZ(34.2112, 47.8744, 62.1243)

Have a look what the booklet for
XYZ(34.2112, 47.8744, 62.1243)
contains.

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Color

**XYZ(34.1444, 47.7508,
62.0608)**

Conversions

Conversions Part 1

Format	Color
Hex	47CAC8
RGB	71, 202, 200
RGB Percent	28%, 79%, 78%
CMY	0.7215, 0.2078, 0.2157
CMYK	0.65, 0.00, 0.01, 0.21
HSL	179°, 55%, 54%
HSV	179°, 65%, 79%
XYZ	34.1444, 47.7508, 62.0608
YIQ	162.6030, -77.4340, -28.3940

Conversions

Conversions Part 2

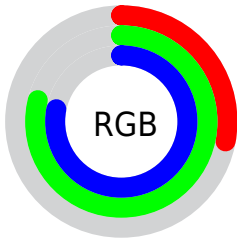
Format	Color
RYB	71, 137, 202
Decimal	4704968
CIELab	74.67, -35.37, -9.50
CIELCh	75, 36.624, 195.036
Yxy	47.7508, 0.2372, 0.3317
Android (android.graphics.Color)	4282895048 (0xFF47CAC8)
YUV	162.6030, 18.4367, -80.3358
Hunter-Lab	69.1020, -32.7287, -4.8773

Details

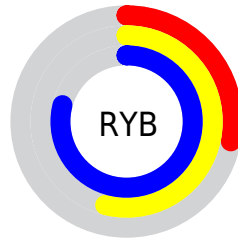
The XYZ color **34.1444, 47.7508, 62.0608** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.8146, 17.5456, 8.2255**, and the grayscale version is **34.5694, 36.3697, 39.6066**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **15.6220, 22.9428, 30.7992** is the 20% darker color. If you saturate the color by 10%, you get **32.8662, 47.0971, 61.8139**, and if you desaturate by 10%, it is **35.9178, 48.6619, 62.3334**.

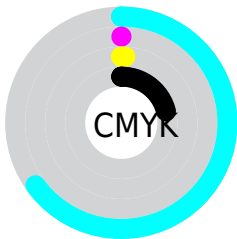
Distribution



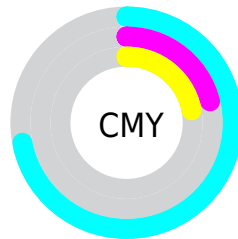
- Red (28%)
- Green (79%)
- Blue (78%)



- Red (28%)
- Yellow (54%)
- Blue (79%)



- Cyan (65%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)



- Cyan (72%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1444, 47.7508, 62.0608 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 34.1444, 47.7508, 62.0608 by changing the saturation by 10% instead.


 34.1444, 47.7508,
62.0608


 34.1444, 47.7508,
62.0608


312.3500,
377.8035, 450.1666


 23.1680, 33.6296,
44.6457


 65.5010, 86.8333,
109.3858


 14.8390, 22.6092,
30.8376


 86.6118, 112.5633,
140.1329

 8.7920, 14.3052,
20.2178


 111.8315,
142.9317, 176.1610

 4.6618, 8.3332,
12.3678

 141.5254,
178.3229, 217.8888

 2.0829, 4.3089,
6.8691

176.0588,
219.1213, 265.7346

 0.6799, 1.8478,
3.3032

215.7972,

 0.0000, 0.5167,

265.7113, 320.1172

1.2514

261.1058,
318.4772, 381.4550

■ 0.0000, 0.0000,
0.0215

■ 0.0000, 0.0000,
0.0000

■ 34.1444, 47.7508,
62.0608

■ 34.1444, 47.7508,
62.0608

■ 32.8662, 47.0971,
61.8139

■ 35.9178, 48.6619,
62.3334

■ 32.0280, 46.6692,
61.5869


■ 38.2261, 49.8477,
62.6303


■ 31.5691, 46.4367,
61.3780


■ 41.1099, 51.3302,
62.9546


■ 31.4204, 46.3622,
61.2747


■ 44.6048, 53.1277,
63.3078

 48.7433, 55.2569,
63.6916

 53.5558, 57.7337,
64.1072

 59.0708, 60.5725,
64.5562

 65.3148, 63.7872,
65.0396

 72.3134, 67.3909,
65.5587

Harmonies

Analogous

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



34.1409, 47.7508, 43.1161



34.1444, 47.7508, 62.0608



36.9528, 47.7508, 82.3718

Triad

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



34.1444, 47.7508, 62.0608



55.0258, 47.7508, 82.3274



48.7608, 47.7508, 24.0764

Complementary

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



34.1444, 47.7508, 62.0608



27.8146, 17.5456, 8.2255

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.



55.0129, 47.7508, 30.1856



34.1444, 47.7508, 62.0608



58.8626, 47.7508, 62.0106

Square

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



34.1444, 47.7508, 62.0608



48.7771, 47.7508, 95.8721



58.8576, 47.7508, 43.0767



42.1552, 47.7508, 24.0835

Rectangle

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



34.1444, 47.7508, 62.0608



40.2107, 47.7508, 92.6563



58.8576, 47.7508, 43.0767



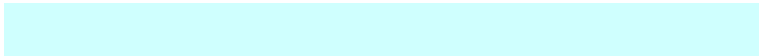
50.9867, 47.7508, 25.4017

Sweetspot

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



34.1458, 47.7526, 62.0619



79.2976, 91.8931, 107.5418



25.0210, 44.1215, 13.1600



16.5442, 19.4483, 22.9783



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.



34.1458, 47.7526, 62.0619



54.9609, 79.3894, 104.4896



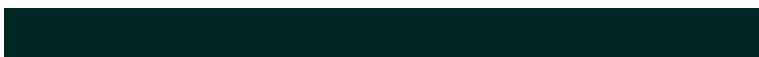
22.4477, 23.9794, 59.3245



11.5356, 12.7240, 14.3779



20.2212, 29.8338, 39.4451



1.0456, 1.5401, 2.0477

Inverse Universe

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



27.8146, 17.5456, 8.2255



43.4521, 24.4153, 6.5791



34.0652, 30.1514, 9.9868



11.2192, 11.2164, 11.6888



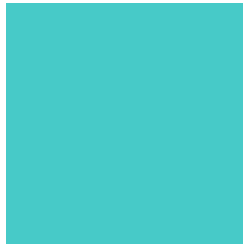
15.6874, 8.0855, 0.8066



0.8118, 0.4181, 0.0547

Previews

White Background



This preview shows how the XYZ color 34.1444, 47.7508, 62.0608 looks on a white background.

Color Contrast Check

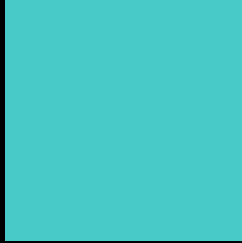
Large Text (above 18pt) WCAG AA × Fail

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 34.1444, 47.7508, 62.0608 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

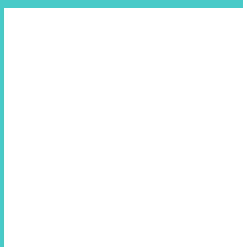
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1444, 47.7508, 62.0608

Background



This preview shows how black text looks on a background with the XYZ color 34.1444, 47.7508, 62.0608.

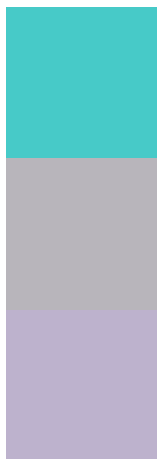


This preview shows how white text looks on a background with the XYZ color 34.1444, 47.7508,

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

34.1444, 47.7508, 62.0608

Protanopia

45.2607, 46.8260, 53.6665

Deuteranopia

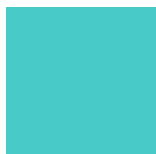
47.9261, 47.0674, 64.3165



Tritanopia

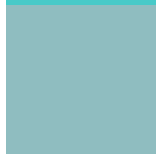
36.2734, 47.9287, 72.3051

Trichromacy



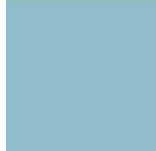
Original Color

34.1444, 47.7508, 62.0608



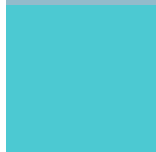
Protanomaly

39.0397, 46.0406, 56.6983



Deuteranomaly

40.4039, 45.9634, 63.2422



Tritanomaly

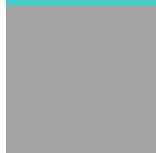
35.5000, 47.9629, 68.3595

Monochromacy



Original Color

34.1444, 47.7508, 62.0608



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.7645, 39.3247, 46.9378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1444, 47.7508, 62.0608 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(71, 202, 200)` looks like.

```
.text, #text, p{  
    color:rgb(71, 202, 200)  
}
```

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(71, 202, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 202, 200) }
```

Border

The CSS property to change the border of an element to XYZ 34.1444, 47.7508, 62.0608 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(71, 202, 200) }
```


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

```
.border{ border-color:rgb(71, 202, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 202, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 202, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 202, 200);  
box-shadow:4px 4px 4px 4px rgb(71, 202,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1444, 47.7508, 62.0608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 202, 200) }
```

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

```
.background{ background-color: rgb(71, 202,  
200) }
```

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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