

Converting Colors

XYZ(35.1383, 51.5787, 21.1070)

Have a look what the booklet for
XYZ(35.1383, 51.5787, 21.1070)
contains.

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Color

**XYZ(35.2908, 51.7513,
21.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	87D168
RGB	135, 209, 104
RGB Percent	53%, 82%, 41%
CMY	0.4706, 0.1804, 0.5921
CMYK	0.35, 0.00, 0.50, 0.18
HSL	102°, 53%, 61%
HSV	102°, 50%, 82%
XYZ	35.2908, 51.7513, 21.2257
YIQ	174.9040, -10.3990, -48.3430

Conversions

Conversions Part 2

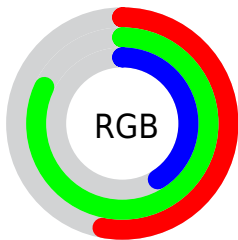
Format	Color
RYB	104, 209, 178
Decimal	8900968
CIELab	77.13, -42.06, 44.61
CIELCh	77, 61.308, 133.316
Yxy	51.7513, 0.3260, 0.4780
Android (android.graphics.Color)	4287091048 (0xFF87D168)
YUV	174.9040, -34.9557, -34.9958
Hunter-Lab	71.9384, -38.3254, 32.8631

Details

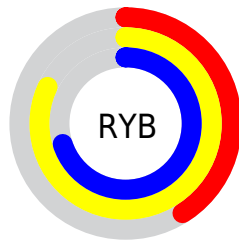
The XYZ color **35.2908, 51.7513, 21.2257** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.8216, 23.9707, 63.1160**, and the grayscale version is **40.8780, 43.0068, 46.8345**.

A 20% lighter version of the original color is **63.3317, 85.0307, 44.9729**, and **15.5065, 25.0737, 7.3906** is the 20% darker color. If you saturate the color by 10%, you get **32.1500, 50.2416, 16.2075**, and if you desaturate by 10%, it is **39.0252, 53.5398, 27.6471**.

Distribution



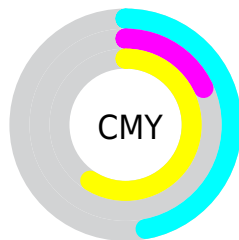
- Red (53%)
- Green (82%)
- Blue (41%)



- Red (41%)
- Yellow (82%)
- Blue (70%)



- Cyan (35%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)



- Cyan (47%)
- Magenta (18%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2908, 51.7513, 21.2257 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 35.2908, 51.7513, 21.2257 by changing the saturation by 10% instead.

■ 35.2908, 51.7513,
21.2257

■ 35.2908, 51.7513,
21.2257

317.3356,
393.4757, 271.2959

■ 24.0545, 36.8069,
13.0962

■ 67.2671, 92.7644,
46.3485

■ 15.4990, 25.0580,
7.3633

■ 88.7378, 119.6018,
64.1789

■ 9.2589, 16.1203,
3.6085

■ 114.3507,
151.1723, 86.0801

■ 4.9689, 9.6093,
1.4131

■ 144.4712,
187.8604, 112.4706

■ 2.2636, 5.1407,
0.1519

179.4645,
230.0504, 143.7688

■ 0.7759, 2.3300,
0.0000

219.6962,

■ 0.0000, 0.7895,

278.1267, 180.3934

0.0000

265.5314,
332.4737, 222.7629

■ 0.0000, 0.0000,
0.0000

■ 35.2908, 51.7513,
21.2257

■ 35.2908, 51.7513,
21.2257

■ 32.1500, 50.2416,
16.2075

■ 39.0252, 53.5398,
27.6471

■ 29.5658, 48.9891,
12.4841

■ 43.3798, 55.6140,
35.5624

■ 27.5026, 47.9797,
9.9370

■ 48.3840, 57.9887,
45.0589

■ 25.9181, 47.1947,
8.4242

■ 54.0642, 60.6759,
56.2160

■ 24.7693, 46.6175,
7.6926

■ 60.4453, 63.6867,
69.1078

■ 67.5507, 67.0318,
83.8041

■ 75.4029, 70.7212,
100.3707

■ 81.3028, 73.6765,
104.5436

■ 82.0915, 74.0831,
104.5805

Harmonies

Analogous

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



44.1778, 51.7513, 13.9865



35.2908, 51.7513, 21.2257



30.6045, 51.7513, 39.7756

Triad

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



35.2908, 51.7513, 21.2257



42.9976, 51.7513, 143.5424



74.5393, 51.7513, 42.7517

Complementary

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



35.2908, 51.7513, 21.2257



34.8216, 23.9707, 63.1160

Split Complementary

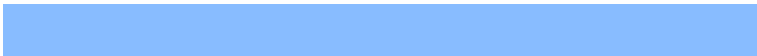
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0879, 51.7513, 76.9833



35.2908, 51.7513, 21.2257



54.5634, 51.7513, 145.3814

Square

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



35.2908, 51.7513, 21.2257



34.5455, 51.7513, 113.2363



66.3250, 51.7513, 117.5616



67.4746, 51.7513, 22.6557

Rectangle

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



35.2908, 51.7513, 21.2257



29.9453, 51.7513, 60.1649



66.3250, 51.7513, 117.5616



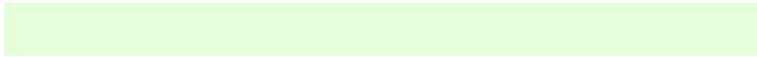
75.2914, 51.7513, 52.6968

Sweetspot

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



35.2921, 51.7535, 21.2268



80.2600, 93.0175, 79.1993



44.6165, 46.1992, 19.6633



16.7774, 19.7195, 16.1656



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.



35.2921, 51.7535, 21.2268



50.2208, 78.6978, 25.1137



32.2127, 50.0271, 27.3615



11.9796, 13.3729, 12.5619



15.3579, 28.7863, 4.7469



0.9383, 1.6506, 0.2691

Inverse Universe

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



34.8216, 23.9707, 63.1160



49.3323, 30.3999, 97.8754



40.3239, 27.0882, 50.6825



11.9568, 11.8265, 14.8962



14.6511, 6.7332, 37.7199



0.8966, 0.4164, 2.1127

Previews

White Background



This preview shows how the XYZ color 35.2908, 51.7513, 21.2257 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 35.2908, 51.7513, 21.2257 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 35.2908, 51.7513, 21.2257

Background



This preview shows how black text looks on a background with the XYZ color 35.2908, 51.7513, 21.2257.



This preview shows how white text looks on a background with the XYZ color 35.2908, 51.7513,

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

35.2908, 51.7513, 21.2257

Protanopia

46.8656, 51.2453, 18.7305

Deuteranopia

52.0262, 51.0184, 22.1444



Tritanopia

45.1134, 51.5089, 70.5153

Trichromacy



Original Color

35.2908, 51.7513, 21.2257



Protanomaly

41.5579, 50.7977, 19.6712



Deuteranomaly

43.8433, 49.9464, 21.5172



Tritanomaly

40.2835, 50.9014, 47.2370

Monochromacy



Original Color

35.2908, 51.7513, 21.2257



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.6923, 45.1842, 35.1686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2908, 51.7513, 21.2257 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(135, 209, 104)` looks like.

```
.text, #text, p{  
    color:rgb(135, 209, 104)  
}
```

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(135, 209, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 209, 104) }
```

Border

The CSS property to change the border of an element to XYZ 35.2908, 51.7513, 21.2257 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(135, 209, 104) }
```


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

```
.border{ border-color:rgb(135, 209, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 209, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 209, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 209, 104);  
box-shadow:4px 4px 4px 4px rgb(135, 209,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2908, 51.7513, 21.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 209, 104) }
```

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

```
.background{ background-color: rgb(135,  
209, 104) }
```

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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