

Converting Colors

XYZ(41.2463, 55.2686, 69.5285)

Have a look what the booklet for
XYZ(41.2463, 55.2686, 69.5285)
contains.

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Color

**XYZ(41.2528, 55.2449,
69.4618)**

Conversions

Conversions Part 1

Format	Color
Hex	69D5D2
RGB	105, 213, 210
RGB Percent	41%, 84%, 82%
CMY	0.5882, 0.1647, 0.1765
CMYK	0.51, 0.00, 0.01, 0.16
HSL	178°, 56%, 62%
HSV	178°, 51%, 84%
XYZ	41.2528, 55.2449, 69.4618
YIQ	180.3660, -63.4050, -23.8290

Conversions

Conversions Part 2

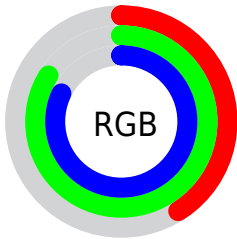
Format	Color
RYB	105, 160, 213
Decimal	6936018
CIELab	79.18, -31.70, -8.06
CIElCh	79, 32.711, 194.271
Yxy	55.2449, 0.2486, 0.3329
Android (android.graphics.Color)	4285126098 (0xFF69D5D2)
YUV	180.3660, 14.6096, -66.0960
Hunter-Lab	74.3269, -31.0013, -3.3803

Details

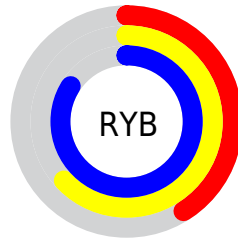
The XYZ color **41.2528, 55.2449, 69.4618** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.2008, 25.3337, 17.2239**, and the grayscale version is **43.5289, 45.7958, 49.8716**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **19.0643, 27.2854, 35.7143** is the 20% darker color. If you saturate the color by 10%, you get **38.9843, 54.0852, 68.9724**, and if you desaturate by 10%, it is **44.1514, 56.7319, 69.9845**.

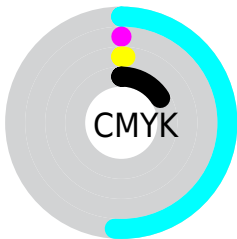
Distribution



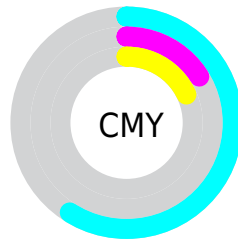
- Red (41%)
- Green (84%)
- Blue (82%)



- Red (41%)
- Yellow (63%)
- Blue (84%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (59%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2528, 55.2449, 69.4618 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 41.2528, 55.2449, 69.4618 by changing the saturation by 10% instead.

41.2528, 55.2449,
69.4618

41.2528, 55.2449,
69.4618

342.4206,
406.8396, 477.3960

28.7052, 39.5978,
50.6138

76.3398, 97.8997,
120.1148

19.0011, 27.2251,
35.5268

99.6099, 125.6762,
152.7569

11.7751, 17.7424,
23.7821

127.1849,
158.2646, 190.8342

6.6618, 10.7652,
14.9614

159.4301,
196.0494, 234.7651

3.2960, 5.9092,
8.6460

196.7110,
239.4149, 284.9681

1.3121, 2.7899,
4.4173

239.3928,

0.1923, 1.0231,

288.7455, 341.8620

1.8570

287.8409,
344.4256, 405.8651

■ 0.0000, 0.0000,
0.4651

■ 0.0000, 0.0000,
0.0000

■ 41.2528, 55.2449,
69.4618

■ 41.2528, 55.2449,
69.4618

■ 38.9843, 54.0852,
68.9724

■ 44.1514, 56.7319,
69.9845

■ 37.2932, 53.2219,
68.5103

■ 47.7178, 58.5619,
70.5387

■ 36.1266, 52.6290,
68.0742

■ 51.9928, 60.7571,
71.1274

■ 35.4197, 52.2730,
67.6609

■ 57.0123, 63.3362,
71.7525

■ 35.0677, 52.0993,
67.2923

■ 62.8099, 66.3163,
72.4153

■ 69.4171, 69.7137,
73.1175

■ 76.8637, 73.5439,
73.8604

■ 77.2673, 73.7431,
74.2752

■ 77.3434, 73.7736,
74.6760

Harmonies

Analogous

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



41.3233, 55.2449, 50.9185



41.2528, 55.2449, 69.4618



44.0189, 55.2449, 88.9168

Triad

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



41.2528, 55.2449, 69.4618



61.7729, 55.2449, 89.7598



55.9876, 55.2449, 31.7473

Complementary

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



41.2528, 55.2449, 69.4618



35.2008, 25.3337, 17.2239

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.



62.0252, 55.2449, 38.3751



41.2528, 55.2449, 69.4618



65.5495, 55.2449, 70.4400

Square

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



41.2528, 55.2449, 69.4618



55.6659, 55.2449, 102.1802



65.6455, 55.2449, 51.7141



49.4731, 55.2449, 31.5927

Rectangle

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



41.2528, 55.2449, 69.4618



47.2427, 55.2449, 98.7230



65.6455, 55.2449, 51.7141



58.1520, 55.2449, 33.2188

Sweetspot

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



41.2544, 55.2470, 69.4631



82.1803, 93.3851, 107.4066



32.6034, 51.8365, 21.6530



17.2489, 19.8130, 22.9467



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.



41.2544, 55.2470, 69.4631



58.3164, 81.1427, 103.5878



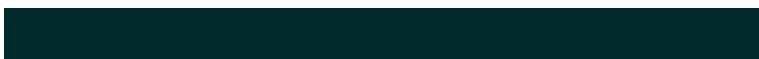
30.8640, 33.8619, 67.8624



12.7766, 14.1016, 15.9039



21.4268, 31.8261, 41.1386



1.2972, 1.9215, 2.5066

Inverse Universe

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



35.2008, 25.3337, 17.2239



48.2318, 31.2641, 16.5290



41.7804, 38.7442, 18.6422



12.4371, 12.4263, 12.9761



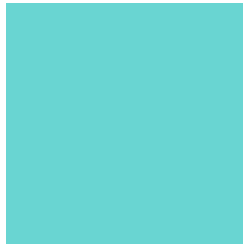
16.7879, 8.6515, 0.9215



1.0176, 0.5238, 0.0821

Previews

White Background



This preview shows how the XYZ color 41.2528, 55.2449, 69.4618 looks on a white background.

Color Contrast Check

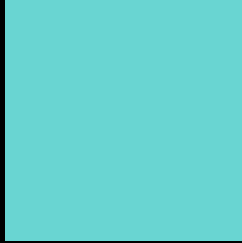
Large Text (above 18pt) WCAG AA × Fail

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 41.2528, 55.2449, 69.4618 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

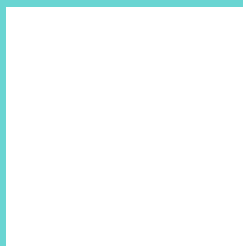
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2528, 55.2449, 69.4618

Background



This preview shows how black text looks on a background with the XYZ color 41.2528, 55.2449, 69.4618.

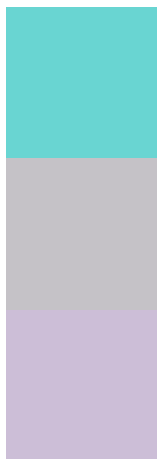


This preview shows how white text looks on a background with the XYZ color 41.2528, 55.2449,

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

41.2528, 55.2449, 69.4618

Protanopia

52.6265, 54.5774, 61.7936

Deuteranopia

55.5810, 54.5706, 71.8937



Tritanopia

43.4673, 55.0187, 81.0018

Trichromacy



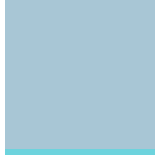
Original Color

41.2528, 55.2449, 69.4618



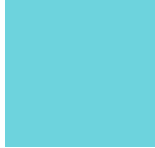
Protanomaly

46.9760, 53.9776, 64.4427



Deuteranomaly

48.3528, 53.5171, 70.7322



Tritanomaly

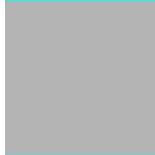
42.6521, 55.0602, 76.7863

Monochromacy



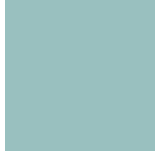
Original Color

41.2528, 55.2449, 69.4618



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.3905, 48.2332, 56.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2528, 55.2449, 69.4618 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(105, 213, 210)` looks like.

```
.text, #text, p{  
    color:rgb(105, 213, 210)  
}
```

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(105, 213, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 213, 210) }
```

Border

The CSS property to change the border of an element to XYZ 41.2528, 55.2449, 69.4618 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(105, 213, 210) }
```


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

```
.border{ border-color:rgb(105, 213, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 213, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 213, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 213, 210);  
box-shadow:4px 4px 4px 4px rgb(105, 213,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2528, 55.2449, 69.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 213, 210) }
```

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

```
.background{ background-color: rgb(105,  
213, 210) }
```

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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