

Converting Colors

XYZ(40.5619, 53.5530, 62.8425)

Have a look what the booklet for
XYZ(40.5619, 53.5530, 62.8425)
contains.

XYZ(40.5619, 53.5530, 62.8425)	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(40.5619, 53.5530,
62.8425)**

Conversions

Conversions Part 1

Format	Color
Hex	75D1C8
RGB	117, 209, 200
RGB Percent	46%, 82%, 78%
CMY	0.5412, 0.1804, 0.2157
CMYK	0.44, 0.00, 0.04, 0.18
HSL	174°, 50%, 64%
HSV	174°, 44%, 82%
XYZ	40.5619, 53.5530, 62.8425
YIQ	180.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

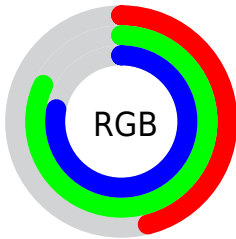
Format	Color
RYB	117, 165, 209
Decimal	7721416
CIELab	78.20, -29.60, -4.10
CIELCh	78, 29.878, 187.894
Yxy	53.5530, 0.2584, 0.3412
Android (android.graphics.Color)	4285911496 (0xFF75D1C8)
YUV	180.4660, 9.6303, -55.6597
Hunter-Lab	73.1799, -29.1265, 0.3113

Details

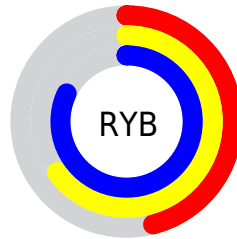
The XYZ color **40.5619, 53.5530, 62.8425** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.4235, 27.7857, 23.1840**, and the grayscale version is **43.6040, 45.8748, 49.9577**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **18.5475, 26.1163, 31.2575** is the 20% darker color. If you saturate the color by 10%, you get **37.8241, 52.1704, 61.4761**, and if you desaturate by 10%, it is **43.9329, 55.2643, 64.2576**.

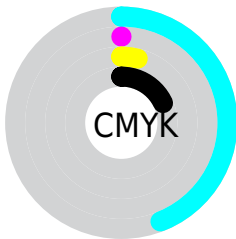
Distribution



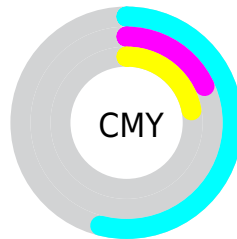
- Red (46%)
- Green (82%)
- Blue (78%)



- Red (46%)
- Yellow (65%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)



- Cyan (54%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5619, 53.5530, 62.8425 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 40.5619, 53.5530, 62.8425 by changing the saturation by 10% instead.

40.5619, 53.5530,
62.8425

40.5619, 53.5530,
62.8425

339.5802,
400.4032, 453.0899

28.1631, 38.2444,
45.2736

75.2973, 95.4176,
110.5256

18.5897, 26.1724,
31.3285

98.3646, 122.7424,
141.4770

11.4764, 16.9527,
20.5886

125.7188,
154.8414, 177.7262

6.4579, 10.2008,
12.6353

157.7252,
192.0990, 219.6919

3.1687, 5.5323,
7.0501

194.7492,
234.8996, 267.7926

1.2436, 2.5628,
3.4145

237.1561,

0.1404, 0.9080,

283.6275, 322.4468

1.3100

285.3113,
338.6673, 384.0730

■ 0.0000, 0.0000,
0.0700

■ 0.0000, 0.0000,
0.0000

■ 40.5619, 53.5530,
62.8425

■ 40.5619, 53.5530,
62.8425

■ 37.8241, 52.1704,
61.4761

■ 43.9329, 55.2643,
64.2576

■ 35.6726, 51.0883,
60.1525

■ 47.9707, 57.3177,
65.7195

■ 34.0616, 50.2845,
58.8708

■ 52.7123, 59.7335,
67.2312

■ 32.9361, 49.7306,
57.6283

■ 58.1903, 62.5286,
68.7942

■ 32.2299, 49.3925,
56.4219

■ 64.4354, 65.7188,
70.4101

■ 31.9382, 49.2575,
55.7143

■ 71.4768, 69.3191,
72.0802

■ 76.2195, 71.7340,
73.6598

■ 76.4830, 71.8394,
75.0469

■ 76.7497, 71.9461,
76.4514

Harmonies

Analogous

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



41.1835, 53.5530, 47.0188



40.5619, 53.5530, 62.8425



42.5381, 53.5530, 80.3932

Triad

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



40.5619, 53.5530, 62.8425



58.1187, 53.5530, 87.5708



55.2473, 53.5530, 33.2879

Complementary

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



40.5619, 53.5530, 62.8425



36.4235, 27.7857, 23.1840

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.



60.2928, 53.5530, 40.6937



40.5619, 53.5530, 62.8425



62.0370, 53.5530, 71.2782

Square

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



40.5619, 53.5530, 62.8425



52.4594, 53.5530, 96.3474



62.8617, 53.5530, 54.0011



49.3728, 53.5530, 31.8898

Rectangle

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



40.5619, 53.5530, 62.8425



45.1589, 53.5530, 90.0380



62.8617, 53.5530, 54.0011



57.1093, 53.5530, 35.0779

Sweetspot

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



40.5635, 53.5551, 62.8437



83.3703, 94.0387, 105.6503



34.6467, 51.3383, 24.9139



17.4635, 19.9338, 22.4984



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.



40.5635, 53.5551, 62.8437



59.4782, 81.8997, 96.5011



33.6370, 37.9684, 65.8798



12.1064, 13.3863, 14.9168



19.7118, 30.3777, 34.4581



1.1170, 1.7044, 2.0046

Inverse Universe

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



36.4235, 27.7857, 23.1840



52.1772, 36.3524, 26.4840



41.0298, 37.8867, 21.9810



11.8551, 11.8268, 12.5126



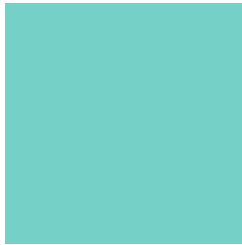
16.3095, 8.3966, 1.2699



0.9284, 0.4761, 0.1576

Previews

White Background



This preview shows how the XYZ color 40.5619, 53.5530, 62.8425 looks on a white background.

Color Contrast Check

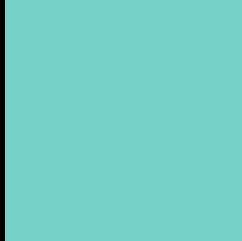
Large Text (above 18pt) WCAG AA × Fail

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 40.5619, 53.5530, 62.8425 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

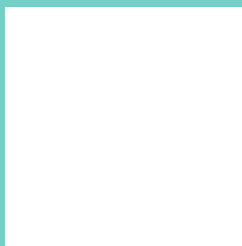
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5619, 53.5530, 62.8425

Background



This preview shows how black text looks on a background with the XYZ color 40.5619, 53.5530, 62.8425.

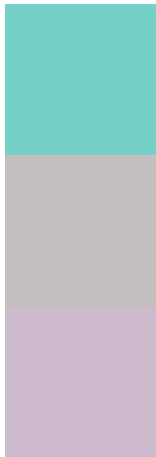


This preview shows how white text looks on a background with the XYZ color 40.5619, 53.5530,

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

40.5619, 53.5530, 62.8425

Protanopia

50.6900, 52.7151, 56.2186

Deuteranopia

53.9666, 52.9276, 65.1293



Tritanopia

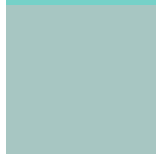
43.4245, 53.6275, 77.1697

Trichromacy



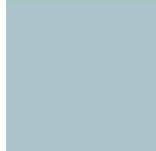
Original Color

40.5619, 53.5530, 62.8425



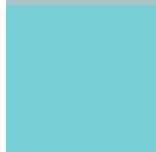
Protanomaly

45.8680, 52.4987, 58.7547



Deuteranomaly

47.5282, 52.2262, 64.0756



Tritanomaly

42.3356, 53.5456, 71.7223

Monochromacy



Original Color

40.5619, 53.5530, 62.8425



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

41.5051, 48.0176, 54.0945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5619, 53.5530, 62.8425 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(117, 209, 200)` looks like.

```
.text, #text, p{  
    color:rgb(117, 209, 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(117, 209, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.5619, 53.5530, 62.8425 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(117, 209, 200) }
```


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

```
.border{ border-color:rgb(117, 209, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 209, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 200);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5619, 53.5530, 62.8425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 200) }
```

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

```
.background{ background-color: rgb(117,  
209, 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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