

Converting Colors

XYZ(40.5824, 50.2143, 61.8990)

Have a look what the booklet for
XYZ(40.5824, 50.2143, 61.8990)
contains.

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Color

**XYZ(40.7525, 50.4652,
62.2365)**

Conversions

Conversions Part 1

Format	Color
Hex	85C8C8
RGB	133, 200, 200
RGB Percent	52%, 78%, 78%
CMY	0.4784, 0.2157, 0.2157
CMYK	0.33, 0.00, 0.00, 0.22
HSL	180°, 38%, 65%
HSV	180°, 33%, 78%
XYZ	40.7525, 50.4652, 62.2365
YIQ	179.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

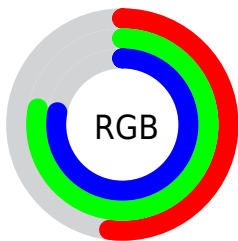
Format	Color
R_{YB}	133, 167, 200
Decimal	8767688
CIE _{Lab}	76.35, -21.05, -6.75
CIE _{LCh}	76, 22.104, 197.781
Yxy	50.4652, 0.2656, 0.3289
Android (android.graphics.Color)	4286957768 (0xFF85C8C8)
YUV	179.9670, 9.8763, -41.1901
Hunter-Lab	71.0389, -21.9188, -2.2162

Details

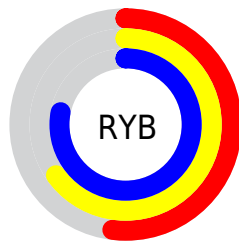
The XYZ color **40.7525, 50.4652, 62.2365** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4424, 30.7494, 26.2068**, and the grayscale version is **43.3300, 45.5865, 49.6437**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **18.6916, 24.2954, 30.8984** is the 20% darker color. If you saturate the color by 10%, you get **37.8910, 48.9913, 62.1033**, and if you desaturate by 10%, it is **44.2182, 52.2531, 62.4002**.

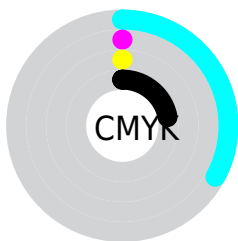
Distribution



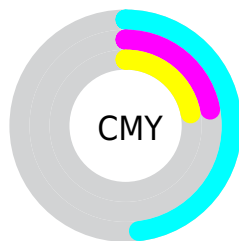
- Red (52%)
- Green (78%)
- Blue (78%)



- Red (52%)
- Yellow (65%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7525, 50.4652, 62.2365 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 40.7525, 50.4652, 62.2365 by changing the saturation by 10% instead.

■ 40.7525, 50.4652,
62.2365

■ 40.7525, 50.4652,
62.2365

340.3654,
388.4824, 450.8247

■ 28.3126, 35.7832,
44.7868

■ 75.5851, 90.8638,
109.6422

■ 18.7031, 24.2668,
30.9478

■ 98.7085, 117.3491,
140.4352

■ 11.5586, 15.5316,
20.3010

■ 126.1238,
148.5376, 176.5132

■ 6.5140, 9.1933,
12.4278

158.1962,
184.8138, 218.2945

■ 3.2036, 4.8675,
6.9096

195.2913,
226.5619, 266.1978

■ 1.2624, 2.1697,
3.3281

237.7743,

■ 0.1548, 0.7034,

274.1665, 320.6415

1.2645

286.0105,
328.0118, 382.0443

■ 0.0000, 0.0000,
0.0324

■ 0.0000, 0.0000,
0.0000

■ 40.7525, 50.4652,
62.2365

■ 40.7525, 50.4652,
62.2365

■ 37.8910, 48.9913,
62.1033

■ 44.2182, 52.2531,
62.4002

■ 35.5949, 47.8076,
61.9955

■ 48.3152, 54.3651,
62.5923

■ 33.8282, 46.8969,
61.9124

■ 53.0742, 56.8185,
62.8154

■ 32.5486, 46.2372,
61.8521

■ 58.5228, 59.6274,
63.0707

■ 31.7075, 45.8036,
61.8124

■ 64.6869, 62.8050,
63.3596

■ 31.2462, 45.5658,
61.7904

■ 71.5910, 66.3642,
63.6831

■ 31.0801, 45.4802,
61.7824

■ 72.3211, 66.7406,
63.7176

■ 72.3212, 66.7406,
63.7180

■ 72.3212, 66.7407,
63.7184

Harmonies

Analogous

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



40.5727, 50.4652, 50.2459



40.7525, 50.4652, 62.2365



42.7945, 50.4652, 73.6966

Triad

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



40.7525, 50.4652, 62.2365



54.1296, 50.4652, 71.8034



49.6767, 50.4652, 35.4805

Complementary

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



40.7525, 50.4652, 62.2365



36.4424, 30.7494, 26.2068

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.



53.5375, 50.4652, 39.6838



40.7525, 50.4652, 62.2365



56.2061, 50.4652, 59.9347

Square

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



40.7525, 50.4652, 62.2365



50.4473, 50.4652, 79.7449



55.9834, 50.4652, 48.2520



45.5668, 50.4652, 35.9116

Rectangle

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



40.7525, 50.4652, 62.2365



45.0073, 50.4652, 78.9707



55.9834, 50.4652, 48.2520



51.0509, 50.4652, 36.3699

Sweetspot

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



40.7540, 50.4672, 62.2377



86.2828, 95.4803, 108.4890



34.7396, 48.0819, 29.6413



18.2251, 20.3115, 23.2097



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.



40.7540, 50.4672, 62.2377



66.9464, 85.5121, 107.5821



34.0317, 37.0223, 59.9981



10.9467, 12.0676, 13.6697



19.7611, 28.9168, 39.2820



0.9357, 1.3692, 1.8600

Inverse Universe

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



36.4424, 30.7494, 26.2068



58.3813, 46.3425, 36.0063



41.5792, 41.0234, 27.9183



10.6339, 10.6370, 11.0555



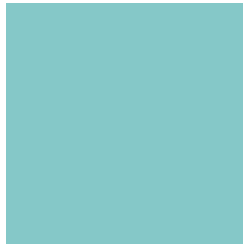
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 40.7525, 50.4652, 62.2365 looks on a white background.

Color Contrast Check

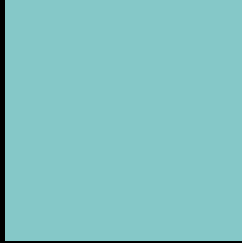
Large Text (above 18pt) WCAG AA × Fail

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 40.7525, 50.4652, 62.2365 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 40.7525, 50.4652, 62.2365

Background



This preview shows how black text looks on a background with the XYZ color 40.7525, 50.4652, 62.2365.

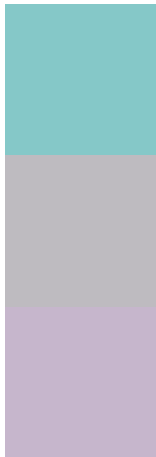


This preview shows how white text looks on a background with the XYZ color 40.7525, 50.4652,

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

40.7525, 50.4652, 62.2365

Protanopia

48.5200, 50.2936, 57.0195

Deuteranopia

50.9157, 49.8213, 64.0597



Tritanopia

42.4850, 50.4774, 71.1223

Trichromacy



Original Color

40.7525, 50.4652, 62.2365

Protanomaly

45.0621, 50.0744, 58.9201

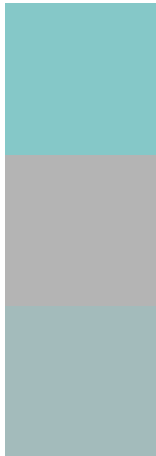
Deuteranomaly

46.4326, 49.7057, 63.6468

Tritanomaly

41.9237, 50.6012, 67.8790

Monochromacy



Original Color

40.7525, 50.4652, 62.2365

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8442, 46.9150, 53.8638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7525, 50.4652, 62.2365 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(133, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 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(133, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.7525, 50.4652, 62.2365 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(133, 200, 200) }
```


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

```
.border{ border-color:rgb(133, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7525, 50.4652, 62.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 200) }
```

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

```
.background{ background-color: rgb(133,  
200, 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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