

Converting Colors

XYZ(40.7824, 53.6257, 64.7013)

Have a look what the booklet for
XYZ(40.7824, 53.6257, 64.7013)
contains.

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Color

**XYZ(40.7824, 53.6257,
64.7013)**

Conversions

Conversions Part 1

Format	Color
Hex	74D1CB
RGB	116, 209, 203
RGB Percent	45%, 82%, 80%
CMY	0.5451, 0.1804, 0.2039
CMYK	0.44, 0.00, 0.03, 0.18
HSL	176°, 50%, 64%
HSV	176°, 44%, 82%
XYZ	40.7824, 53.6257, 64.7013
YIQ	180.5090, -53.5020, -21.5820

Conversions

Conversions Part 2

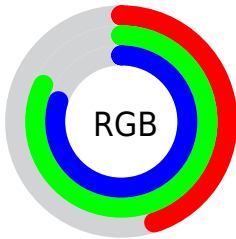
Format	Color
R _{YB}	116, 164, 209
Decimal	7655883
CIE Lab	78.24, -29.10, -5.66
CIE LCh	78, 29.643, 191.000
Yxy	53.6257, 0.2563, 0.3370
Android (android.graphics.Color)	4285845963 (0xFF74D1CB)
YUV	180.5090, 11.0881, -56.5744
Hunter-Lab	73.2296, -28.7430, -1.1244

Details

The XYZ color **40.7824, 53.6257, 64.7013** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.0545, 27.4528, 21.8129**, and the grayscale version is **43.6202, 45.8918, 49.9762**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **18.6678, 26.1510, 32.4975** is the 20% darker color. If you saturate the color by 10%, you get **38.1510, 52.2889, 63.7438**, and if you desaturate by 10%, it is **44.0433, 55.2894, 65.6979**.

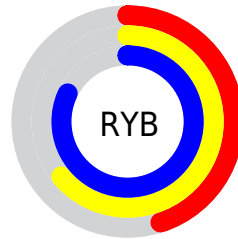
Distribution



Red (45%)

Green (82%)

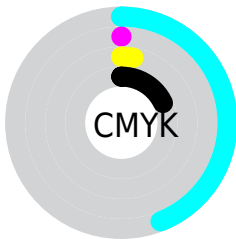
Blue (80%)



Red (45%)

Yellow (64%)

Blue (82%)

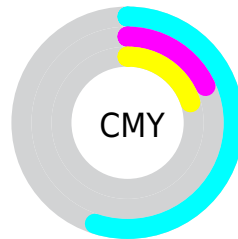


Cyan (44%)

Magenta (0%)

Yellow (3%)

Black (18%)



Cyan (55%)

Magenta (18%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7824, 53.6257, 64.7013 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 40.7824, 53.6257, 64.7013 by changing the saturation by 10% instead.

40.7824, 53.6257,
64.7013

40.7824, 53.6257,
64.7013

340.4885,
400.6811, 459.9946

28.3360, 38.3025,
46.7691

75.6303, 95.5244,
113.2295

18.7209, 26.2176,
32.5001

98.7624, 122.8688,
144.6625

11.5716, 16.9865,
21.4758

126.1873,
154.9889, 181.4330

6.5228, 10.2248,
13.2776

158.2701,
192.2693, 223.9593

3.2091, 5.5483,
7.4870

195.3763,
235.0944, 272.6601

1.2653, 2.5724,
3.6855

237.8712,

0.1570, 0.9128,

283.8484, 327.9539

1.4544

286.1201,
338.9158, 390.2592

■ 0.0000, 0.0000,
0.1836

■ 0.0000, 0.0000,
0.0000

■ 40.7824, 53.6257,
64.7013

■ 40.7824, 53.6257,
64.7013

■ 38.1510, 52.2889,
63.7438

■ 44.0433, 55.2894,
65.6979

■ 36.1019, 51.2509,
62.8196

■ 47.9675, 57.2936,
66.7318

■ 34.5891, 50.4892,
61.9278

■ 52.5920, 59.6586,
67.8057

■ 33.5572, 49.9753,
61.0657

■ 57.9495, 62.4014,
68.9213

■ 32.9392, 49.6745,
60.2303

■ 64.0710, 65.5378,
70.0801

■ 32.7100, 49.5661,
59.7788

■ 70.9854, 69.0829,
71.2833

■ 75.9811, 71.6386,
72.4041

■ 76.1524, 71.7071,
73.3066

■ 76.3252, 71.7762,
74.2166

Harmonies

Analogous

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



41.1307, 53.6257, 48.5910



40.7824, 53.6257, 64.7013



43.0038, 53.6257, 81.9634

Triad

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



40.7824, 53.6257, 64.7013



58.6460, 53.6257, 85.9797



54.6894, 53.6257, 33.0866

Complementary

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



40.7824, 53.6257, 64.7013



36.0545, 27.4528, 21.8129

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.



59.8630, 53.6257, 39.8335



40.7824, 53.6257, 64.7013



62.2644, 53.6257, 69.4234

Square

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



40.7824, 53.6257, 64.7013



53.1284, 53.6257, 95.7108



62.7260, 53.6257, 52.5017



48.8701, 53.6257, 32.3026

Rectangle

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



40.7824, 53.6257, 64.7013



45.7492, 53.6257, 91.0351



62.7260, 53.6257, 52.5017



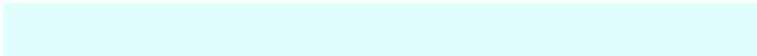
56.5728, 53.6257, 34.6624

Sweetspot

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



40.7840, 53.6278, 64.7025



83.5457, 94.1089, 106.5736



34.0089, 51.0162, 24.5788



17.5073, 19.9513, 22.7290



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.



40.7840, 53.6278, 64.7025



60.1622, 82.1732, 100.1026



32.8449, 36.5827, 65.6540



12.1241, 13.3934, 15.0097



20.1814, 30.5655, 36.9309



1.1386, 1.7131, 2.1185

Inverse Universe

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



36.0545, 27.4528, 21.8129



51.8725, 36.2305, 24.8793



41.3876, 38.6958, 21.8118



11.8392, 11.8204, 12.4293



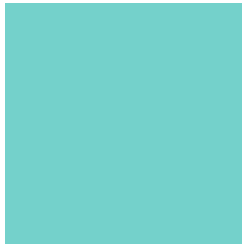
16.2720, 8.3816, 1.0726



0.9209, 0.4731, 0.1184

Previews

White Background



This preview shows how the XYZ color 40.7824, 53.6257, 64.7013 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 40.7824, 53.6257, 64.7013 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

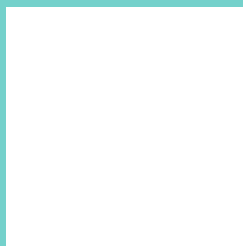
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7824, 53.6257, 64.7013

Background



This preview shows how black text looks on a background with the XYZ color 40.7824, 53.6257, 64.7013.

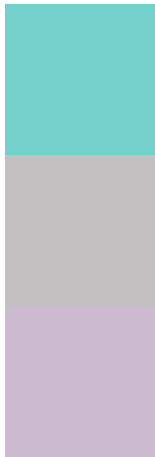


This preview shows how white text looks on a background with the XYZ color 40.7824, 53.6257,

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

40.7824, 53.6257, 64.7013

Protanopia

51.0214, 52.8476, 57.9636

Deuteranopia

54.0573, 52.9321, 67.0423



Tritanopia

43.4166, 53.6079, 77.8711

Trichromacy



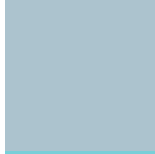
Original Color

40.7824, 53.6257, 64.7013



Protanomaly

46.2085, 52.6349, 60.5474



Deuteranomaly

47.6689, 52.2571, 65.9667



Tritanomaly

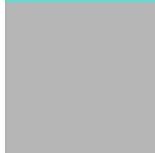
42.4532, 53.5766, 73.0695

Monochromacy



Original Color

40.7824, 53.6257, 64.7013



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.7207, 48.1038, 55.2302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7824, 53.6257, 64.7013 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(116, 209, 203)` looks like.

```
.text, #text, p{  
    color:rgb(116, 209, 203)  
}
```

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(116, 209, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 209, 203) }
```

Border

The CSS property to change the border of an element to XYZ 40.7824, 53.6257, 64.7013 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(116, 209, 203) }
```


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

```
.border{ border-color:rgb(116, 209, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 209, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 209, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 209, 203);  
box-shadow:4px 4px 4px 4px rgb(116, 209,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7824, 53.6257, 64.7013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 209, 203) }
```

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

```
.background{ background-color: rgb(116,  
209, 203) }
```

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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