

Converting Colors

XYZ(41.2485, 52.6405, 68.0140)

Have a look what the booklet for
XYZ(41.2485, 52.6405, 68.0140)
contains.

XYZ(41.3257, 52.7391, 68.3232)	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(41.3257, 52.7391,
68.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	78CED1
RGB	120, 206, 209
RGB Percent	47%, 81%, 82%
CMY	0.5294, 0.1921, 0.1804
CMYK	0.43, 0.01, 0.00, 0.18
HSL	182°, 49%, 65%
HSV	182°, 43%, 82%
XYZ	41.3257, 52.7391, 68.3232
YIQ	180.6280, -52.2190, -17.2990

Conversions

Conversions Part 2

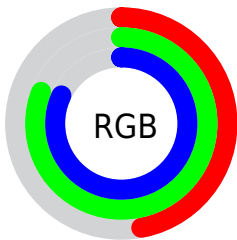
Format	Color
R_{YB}	120, 164, 209
Decimal	7917265
CIE _{Lab}	77.72, -25.18, -9.64
CIE _{LCh}	78, 26.961, 200.944
Yxy	52.7391, 0.2545, 0.3248
Android (android.graphics.Color)	4286107345 (0xFF78CED1)
YUV	180.6280, 13.9874, -53.1708
Hunter-Lab	72.6217, -25.5117, -4.9454

Details

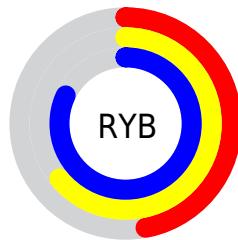
The XYZ color **41.3257, 52.7391, 68.3232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.7686, 29.0782, 21.4455**, and the grayscale version is **43.6687, 45.9429, 50.0318**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **19.0329, 25.5565, 34.9401** is the 20% darker color. If you saturate the color by 10%, you get **38.5688, 51.0680, 68.1469**, and if you desaturate by 10%, it is **44.7191, 54.7419, 68.5318**.

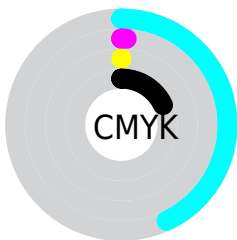
Distribution



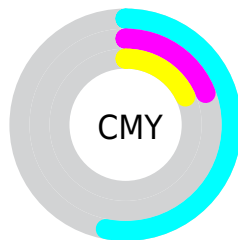
- Red (47%)
- Green (81%)
- Blue (82%)



- Red (47%)
- Yellow (64%)
- Blue (82%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)



- Cyan (53%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3257, 52.7391, 68.3232 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 41.3257, 52.7391, 68.3232 by changing the saturation by 10% instead.

■ 41.3257, 52.7391,
68.3232

■ 41.3257, 52.7391,
68.3232

342.7194,
397.2833, 473.2694

■ 28.7625, 37.5945,
49.6924

■ 76.4497, 94.2203,
118.4730

■ 19.0446, 25.6681,
34.7996

■ 99.7411, 121.3258,
150.8290

■ 11.8067, 16.5755,
23.2262

■ 127.3393,
153.1870, 188.5972

■ 6.6834, 9.9323,
14.5538

159.6096,
190.1884, 232.1961

■ 3.3095, 5.3541,
8.3637

196.9175,
232.7143, 282.0442

■ 1.3195, 2.4565,
4.2374

239.6281,

■ 0.1977, 0.8547,

281.1492, 338.5601

1.7565

288.1070,
335.8774, 402.1623

■ 0.0000, 0.0000,
0.3990

■ 0.0000, 0.0000,
0.0000

■ 41.3257, 52.7391,
68.3232

■ 41.3257, 52.7391,
68.3232

■ 38.5688, 51.0680,
68.1469

■ 44.7191, 54.7419,
68.5318

■ 36.4021, 49.7011,
67.9972


■ 48.7821, 57.0898,
68.7709


■ 34.7805, 48.6164,
67.8733


■ 53.5512, 59.8028,
69.0432


■ 33.6507, 47.7862,
67.7726


■ 59.0588, 62.8976,
69.3503


 32.9482, 47.1775,
67.6922


 65.3353, 66.3900,
69.6936

 32.6201, 46.8262,
67.6416

 72.4094, 70.2947,
70.0744

 76.0261, 72.4182,
70.2936

 76.2014, 72.7687,
70.3521

 76.3774, 73.1207,
70.4107

Harmonies

Analogous

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



40.8545, 52.7391, 53.0173



41.3257, 52.7391, 68.3232



44.0653, 52.7391, 82.7608

Triad

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



41.3257, 52.7391, 68.3232



58.3314, 52.7391, 77.5055



51.7234, 52.7391, 33.4588

Complementary

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



41.3257, 52.7391, 68.3232



36.7686, 29.0782, 21.4455

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.



56.7204, 52.7391, 37.8708



41.3257, 52.7391, 68.3232



60.7058, 52.7391, 62.0682

Square

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



41.3257, 52.7391, 68.3232



53.8007, 52.7391, 88.6688



60.0967, 52.7391, 47.7502



46.6243, 52.7391, 34.5452

Rectangle

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



41.3257, 52.7391, 68.3232



46.9209, 52.7391, 89.1021



60.0967, 52.7391, 47.7502



53.4757, 52.7391, 34.3150

Sweetspot

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



41.3273, 52.7412, 68.3244



83.5331, 93.5355, 108.2592



34.1205, 51.0244, 26.7797



17.5041, 19.8078, 23.1507



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.



41.3273, 52.7412, 68.3244



60.8784, 80.3328, 106.9049



32.0940, 34.2745, 65.2467



12.1228, 13.3359, 15.1788



20.1275, 28.9017, 41.7102



1.1363, 1.6378, 2.3358

Inverse Universe

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



44.1529, 31.4459, 62.1372



65.9199, 42.8556, 95.7498



43.5902, 42.7215, 23.7193



12.2929, 12.0019, 14.8181



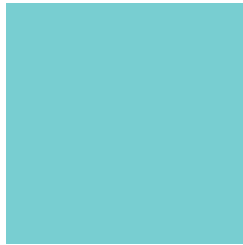
22.7902, 10.9889, 35.3969



1.2798, 0.6166, 2.0082

Previews

White Background



This preview shows how the XYZ color 41.3257, 52.7391, 68.3232 looks on a white background.

Color Contrast Check

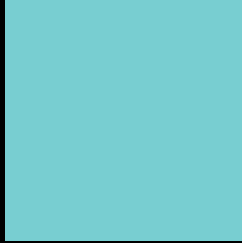
Large Text (above 18pt) WCAG AA × Fail

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 41.3257, 52.7391, 68.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

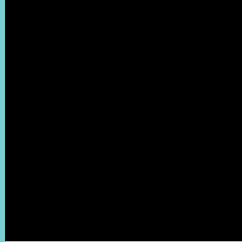
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3257, 52.7391, 68.3232

Background



This preview shows how black text looks on a background with the XYZ color 41.3257, 52.7391, 68.3232.

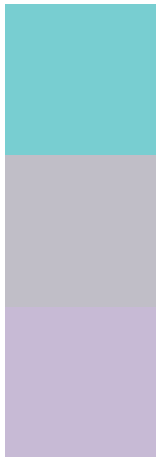


This preview shows how white text looks on a background with the XYZ color 41.3257, 52.7391,

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

41.3257, 52.7391, 68.3232

Protanopia

50.4605, 52.1569, 61.4406

Deuteranopia

53.1223, 52.0640, 70.2003



Tritanopia

42.8124, 52.6171, 76.3063

Trichromacy



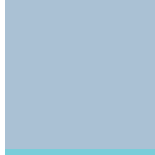
Original Color

41.3257, 52.7391, 68.3232



Protanomaly

46.2453, 51.8986, 64.0800



Deuteranomaly

47.5312, 51.4394, 69.7110



Tritanomaly

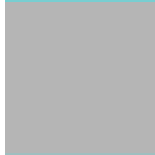
42.3817, 52.8100, 73.6052

Monochromacy



Original Color

41.3257, 52.7391, 68.3232



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.1155, 47.9594, 56.3276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3257, 52.7391, 68.3232 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(120, 206, 209)` looks like.

```
.text, #text, p{  
    color:rgb(120, 206, 209)  
}
```

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(120, 206, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 206, 209) }
```

Border

The CSS property to change the border of an element to XYZ 41.3257, 52.7391, 68.3232 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(120, 206, 209) }
```


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

```
.border{ border-color:rgb(120, 206, 209) }
```

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

Here you see how a box with a 4 pixel rgb(120, 206, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 206, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 206, 209);  
box-shadow:4px 4px 4px 4px rgb(120, 206,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3257, 52.7391, 68.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 206, 209) }
```

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

```
.background{ background-color: rgb(120,  
206, 209) }
```

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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