

Converting Colors

XYZ(40.7891, 56.6813, 66.2634)

Have a look what the booklet for
XYZ(40.7891, 56.6813, 66.2634)
contains.

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Color

**XYZ(40.7621, 56.5749,
66.5293)**

Conversions

Conversions Part 1

Format	Color
Hex	61D9CD
RGB	97, 217, 205
RGB Percent	38%, 85%, 80%
CMY	0.6196, 0.1490, 0.1961
CMYK	0.55, 0.00, 0.06, 0.15
HSL	174°, 61%, 62%
HSV	174°, 55%, 85%
XYZ	40.7621, 56.5749, 66.5293
YIQ	179.7520, -67.6680, -29.1720

Conversions

Conversions Part 2

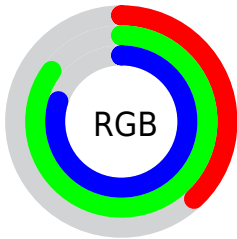
Format	Color
RYB	97, 160, 217
Decimal	6412749
CIELab	79.94, -36.47, -4.30
CIElCh	80, 36.727, 186.722
Yxy	56.5749, 0.2488, 0.3453
Android (android.graphics.Color)	4284602829 (0xFF61D9CD)
YUV	179.7520, 12.4473, -72.5735
Hunter-Lab	75.2163, -34.8937, 0.2090

Details

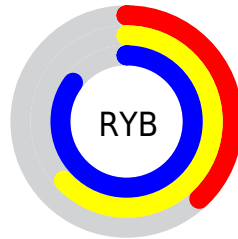
The XYZ color **40.7621, 56.5749, 66.5293** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **35.6522, 24.4069, 17.3020**, and the grayscale version is **43.2124, 45.4628, 49.5090**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **18.7947, 28.2237, 33.7353** is the 20% darker color. If you saturate the color by 10%, you get **38.4987, 55.4395, 65.0663**, and if you desaturate by 10%, it is **43.6647, 58.0421, 68.0437**.

Distribution



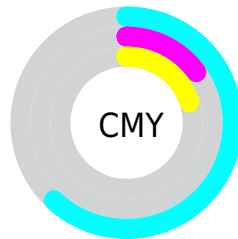
- Red (38%)
- Green (85%)
- Blue (80%)



- Red (38%)
- Yellow (63%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (62%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7621, 56.5749, 66.5293 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 40.7621, 56.5749, 66.5293 by changing the saturation by 10% instead.

40.7621, 56.5749,
66.5293

40.7621, 56.5749,
66.5293

340.4049,
411.8545, 466.7233

28.3201, 40.6640,
48.2430

75.5996, 99.8446,
115.8799

18.7088, 28.0567,
33.6580

98.7258, 127.9723,
147.7813

11.5628, 18.3684,
22.3558

126.1442,
160.9411, 185.0582

6.5168, 11.2148,
13.9177

158.2199,
199.1353, 228.1291

3.2054, 6.2115,
7.9254

195.3186,
242.9393, 277.4125

1.2633, 2.9741,
3.9601

237.8054,

0.1555, 1.1182,

292.7376, 333.3269

1.6035

286.0457,
348.9145, 396.2910

■ 0.0000, 0.0000,
0.2933

■ 0.0000, 0.0000,
0.0000

■ 40.7621, 56.5749,
66.5293

■ 40.7621, 56.5749,
66.5293

■ 38.4987, 55.4395,
65.0663

■ 43.6647, 58.0421,
68.0437

■ 36.8167, 54.6020,
63.6481


■ 47.2486, 59.8588,
69.6078

■ 35.6562, 54.0330,
62.2732


■ 51.5580, 62.0490,
71.2249


■ 34.9418, 53.6935,
60.9379


■ 56.6319, 64.6329,
72.8971


 34.6980, 53.5812,
60.3208

 62.5065, 67.6292,
74.6260

 69.2159, 71.0554,
76.4132

 76.7919, 74.9280,
78.2605

 79.2876, 76.1811,
79.8895

 79.5811, 76.2985,
81.4350

Harmonies

Analogous

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



41.6563, 56.5749, 46.7661



40.7621, 56.5749, 66.5293



43.0869, 56.5749, 89.5364

Triad

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



40.7621, 56.5749, 66.5293



62.8025, 56.5749, 100.6902



59.6358, 56.5749, 31.0734

Complementary

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



40.7621, 56.5749, 66.5293



35.6522, 24.4069, 17.3020

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.



66.0936, 56.5749, 40.1790



40.7621, 56.5749, 66.5293



68.0367, 56.5749, 79.2805

Square

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



40.7621, 56.5749, 66.5293



55.4673, 56.5749, 111.9968



69.2934, 56.5749, 56.9213



52.1131, 56.5749, 29.1756

Rectangle

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



40.7621, 56.5749, 66.5293



46.2882, 56.5749, 102.6657



69.2934, 56.5749, 56.9213



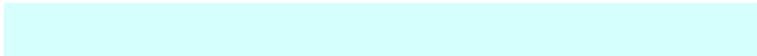
62.0235, 56.5749, 33.2704

Sweetspot

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



40.7638, 56.5771, 66.5306



80.1703, 92.4090, 104.6008



33.5279, 53.8706, 19.9415



16.8320, 19.6124, 22.2836



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.



40.7638, 56.5771, 66.5306



55.1197, 79.7147, 93.4990



32.0189, 36.6790, 71.0403



13.3858, 14.8060, 16.4946



21.0260, 32.4430, 36.6317



1.3788, 2.1084, 2.4605

Inverse Universe

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



35.6522, 24.4069, 17.3020



47.0990, 29.0179, 16.0913



40.5974, 35.2617, 15.9770



13.1087, 13.0726, 13.8336



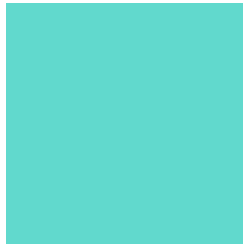
17.4261, 8.9715, 1.3577



1.1474, 0.5886, 0.1850

Previews

White Background



This preview shows how the XYZ color 40.7621, 56.5749, 66.5293 looks on a white background.

Color Contrast Check

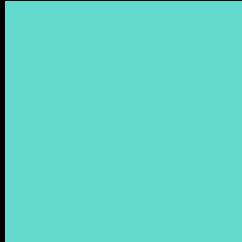
Large Text (above 18pt) WCAG AA × Fail

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 40.7621, 56.5749, 66.5293 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

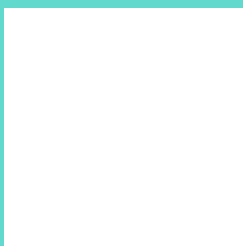
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7621, 56.5749, 66.5293

Background



This preview shows how black text looks on a background with the XYZ color 40.7621, 56.5749, 66.5293.



This preview shows how white text looks on a background with the XYZ color 40.7621, 56.5749,

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

40.7621, 56.5749, 66.5293

Protanopia

53.4530, 55.7476, 58.3952

Deuteranopia

56.9670, 55.6664, 69.3702



Tritanopia

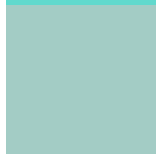
44.0210, 56.3658, 83.4225

Trichromacy



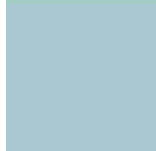
Original Color

40.7621, 56.5749, 66.5293



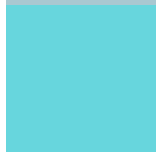
Protanomaly

46.7752, 55.0035, 60.9747



Deuteranomaly

48.5251, 54.3470, 68.2541



Tritanomaly

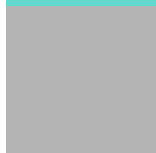
42.6912, 56.1972, 77.0037

Monochromacy



Original Color

40.7621, 56.5749, 66.5293



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.8329, 48.2981, 55.3144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7621, 56.5749, 66.5293 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(97, 217, 205)` looks like.

```
.text, #text, p{  
    color:rgb(97, 217, 205)  
}
```

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(97, 217, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 217, 205) }
```

Border

The CSS property to change the border of an element to XYZ 40.7621, 56.5749, 66.5293 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(97, 217, 205) }
```


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

```
.border{ border-color:rgb(97, 217, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 217, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 217, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 217, 205);  
box-shadow:4px 4px 4px 4px rgb(97, 217,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7621, 56.5749, 66.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 217, 205) }
```

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

```
.background{ background-color: rgb(97, 217,  
205) }
```

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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