

Converting Colors

XYZ(48.7726, 61.7268, 91.0052)

Have a look what the booklet for
XYZ(48.7726, 61.7268, 91.0052)
contains.

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Color

**XYZ(48.7726, 61.7268,
91.0052)**

Conversions

Conversions Part 1

Format	Color
Hex	75DDEF
RGB	117, 221, 239
RGB Percent	46%, 87%, 94%
CMY	0.5412, 0.1333, 0.0627
CMYK	0.51, 0.08, 0.00, 0.06
HSL	189°, 79%, 70%
HSV	189°, 51%, 94%
XYZ	48.7726, 61.7268, 91.0052
YIQ	191.9560, -67.7620, -16.4500

Conversions

Conversions Part 2

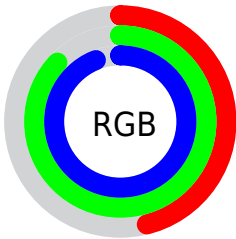
Format	Color
RYB	117, 173, 239
Decimal	7724527
CIELab	82.77, -25.43, -18.10
CIELCh	83, 31.213, 215.451
Yxy	61.7268, 0.2420, 0.3063
Android (android.graphics.Color)	4285914607 (0xFF75DDEF)
YUV	191.9560, 23.1927, -65.7364
Hunter-Lab	78.5664, -26.6816, -13.6804

Details

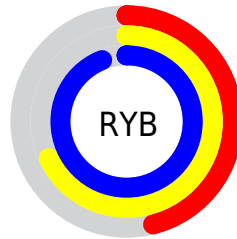
The XYZ color **48.7726, 61.7268, 91.0052** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.4729, 36.9646, 21.4643**, and the grayscale version is **49.9764, 52.5790, 57.2585**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **23.5996, 31.4214, 49.6209** is the 20% darker color. If you saturate the color by 10%, you get **45.0413, 58.4370, 90.5680**, and if you desaturate by 10%, it is **53.3470, 65.4829, 91.4902**.

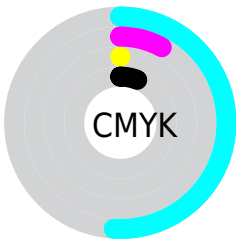
Distribution



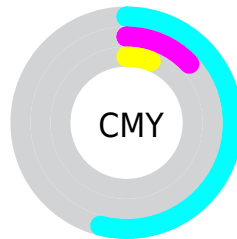
- Red (46%)
- Green (87%)
- Blue (94%)



- Red (46%)
- Yellow (68%)
- Blue (94%)



- Cyan (51%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (54%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7726, 61.7268, 91.0052 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 48.7726, 61.7268, 91.0052 by changing the saturation by 10% instead.

48.7726, 61.7268,
91.0052

48.7726, 61.7268,
91.0052

372.3782,
430.9338, 551.9496

34.6529, 44.8120,
68.2363

87.5564, 107.3306,
150.6816

23.5609, 31.3094,
49.6221

112.9512,
136.7883, 188.4261

15.1312, 20.8345,
34.7441

142.8351,
171.1959, 231.9995

8.9984, 13.0031,
23.1839

177.5734,
210.9376, 281.8204

4.7973, 7.4307,
14.5228

217.5315,
256.3978, 338.3073

2.1623, 3.7329,
8.3423

263.0748,

0.7228, 1.5253,

307.9610, 401.8788

4.2238

314.5686,
366.0116, 472.9534

■ 0.0000, 0.3064,
1.7489

■ 0.0000, 0.0000,
0.3939

■ 48.7726, 61.7268,
91.0052

■ 48.7726, 61.7268,
91.0052

■ 45.0413, 58.4370,
90.5680

■ 53.3470, 65.4829,
91.4902

■ 42.0834, 55.5734,
90.1712

■ 58.8157, 69.7280,
92.0214

■ 39.8277, 53.1005,
89.8127

■ 65.2327, 74.4913,
92.6026

■ 38.1866, 50.9730,
89.4886

■ 72.6459, 79.7977,
93.2361

■ 37.1117, 49.2951,
89.2213

■ 81.1001, 85.6704,
93.9240

■ 88.6198, 91.0912,
94.5740

■ 89.6803, 93.2124,
94.9276

■ 90.7612, 95.3742,
95.2879

■ 91.8626, 97.5769,
95.6550

Harmonies

Analogous

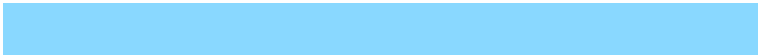
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7381, 61.7268, 70.7821



48.7726, 61.7268, 91.0052



53.4696, 61.7268, 106.7432

Triad

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



48.7726, 61.7268, 91.0052



71.2077, 61.7268, 83.7640



57.4522, 61.7268, 36.7242

Complementary

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



48.7726, 61.7268, 91.0052



47.4729, 36.9646, 21.4643

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.



64.1960, 61.7268, 38.8864



48.7726, 61.7268, 91.0052



72.4761, 61.7268, 63.7601

Square

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



48.7726, 61.7268, 91.0052



66.4770, 61.7268, 102.0352



69.8220, 61.7268, 47.9725



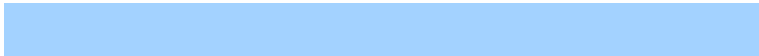
51.4986, 61.7268, 41.3753

Rectangle

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



48.7726, 61.7268, 91.0052



57.6519, 61.7268, 111.1927



69.8220, 61.7268, 47.9725



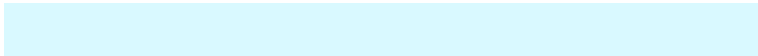
59.6990, 61.7268, 36.6903

Sweetspot

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



48.7745, 61.7291, 91.0067



80.5771, 89.9057, 107.7144



42.4563, 67.2171, 33.0256



16.8584, 18.9654, 23.0221



0.0000, 0.0000, 0.0000



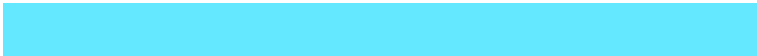
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.7745, 61.7291, 91.0067



52.1161, 67.6404, 104.9168



35.7913, 35.7628, 86.6789



16.0371, 17.5083, 20.2558



20.5847, 27.3936, 49.3304



1.7660, 2.3860, 4.1217

Inverse Universe

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



55.0107, 36.2956, 72.5154



60.3174, 36.0983, 80.1711



58.1602, 58.3393, 25.0268



16.3482, 15.9890, 19.3896



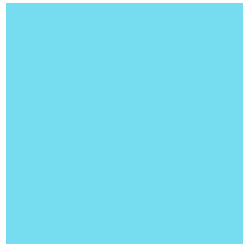
25.7158, 12.5588, 32.7497



2.1663, 1.0556, 2.8668

Previews

White Background



This preview shows how the XYZ color 48.7726, 61.7268, 91.0052 looks on a white background.

Color Contrast Check

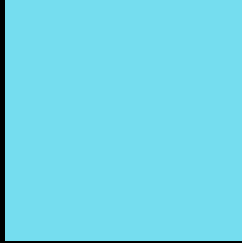
Large Text (above 18pt) WCAG AA × Fail

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 48.7726, 61.7268, 91.0052 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 48.7726, 61.7268, 91.0052

Background



This preview shows how black text looks on a background with the XYZ color 48.7726, 61.7268, 91.0052.



This preview shows how white text looks on a background with the XYZ color 48.7726, 61.7268,

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

48.7726, 61.7268, 91.0052

Protanopia

59.7166, 60.8699, 82.0004

Deuteranopia

62.4370, 60.9620, 94.0640



Tritanopia

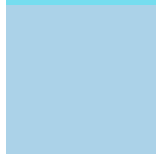
48.7726, 61.7268, 91.0052

Trichromacy



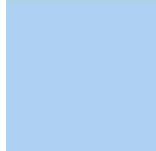
Original Color

48.7726, 61.7268, 91.0052



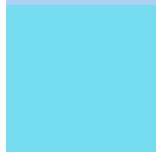
Protanomaly

54.4067, 60.5773, 85.1690



Deuteranomaly

56.0384, 60.5212, 92.7326



Tritanomaly

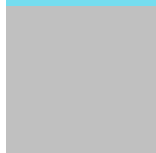
48.7726, 61.7268, 91.0052

Monochromacy



Original Color

48.7726, 61.7268, 91.0052



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.3816, 55.3147, 68.4484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7726, 61.7268, 91.0052 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, 221, 239)` looks like.

```
.text, #text, p{  
    color:rgb(117, 221, 239)  
}
```

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, 221, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 221, 239) }
```

Border

The CSS property to change the border of an element to XYZ 48.7726, 61.7268, 91.0052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

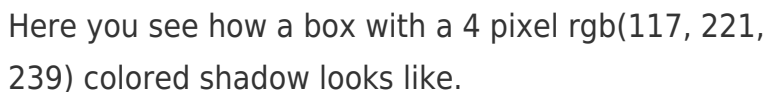
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 221, 239) }
```


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

```
.border{ border-color:rgb(117, 221, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 221, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 221, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 221, 239); box-shadow:4px 4px 4px 4px rgb(117, 221, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7726, 61.7268, 91.0052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 221, 239) }
```

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

```
.background{ background-color: rgb(117,  
221, 239) }
```

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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