

Converting Colors

XYZ(46.7836, 55.7720, 76.3535)

Have a look what the booklet for
XYZ(46.7836, 55.7720, 76.3535)
contains.

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Color

**XYZ(46.7327, 55.7222,
76.0025)**

Conversions

Conversions Part 1

Format	Color
Hex	90CFDC
RGB	144, 207, 220
RGB Percent	56%, 81%, 86%
CMY	0.4353, 0.1882, 0.1372
CMYK	0.35, 0.06, 0.00, 0.14
HSL	190°, 52%, 71%
HSV	190°, 35%, 86%
XYZ	46.7327, 55.7222, 76.0025
YIQ	189.6450, -41.7210, -9.3130

Conversions

Conversions Part 2

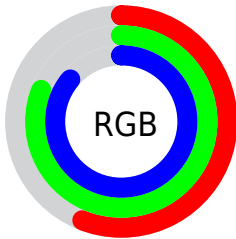
Format	Color
RYB	144, 178, 220
Decimal	9490396
CIELab	79.46, -16.81, -12.83
CIELCh	79, 21.149, 217.364
Yxy	55.7222, 0.2619, 0.3122
Android (android.graphics.Color)	4287680476 (0xFF90CFDC)
YUV	189.6450, 14.9650, -40.0307
Hunter-Lab	74.6473, -18.8834, -8.1133

Details

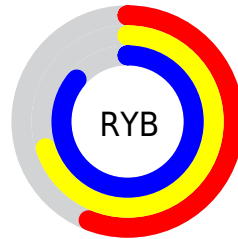
The XYZ color **46.7327, 55.7222, 76.0025** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6071, 41.3440, 31.9107**, and the grayscale version is **48.6747, 51.2096, 55.7672**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **22.3992, 27.6727, 39.7581** is the 20% darker color. If you saturate the color by 10%, you get **42.3579, 52.1310, 75.5409**, and if you desaturate by 10%, it is **51.8814, 59.7472, 76.5090**.

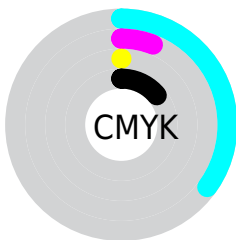
Distribution



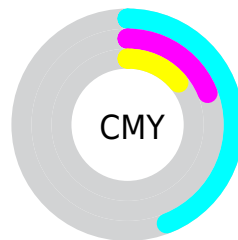
- Red (56%)
- Green (81%)
- Blue (86%)



- Red (56%)
- Yellow (70%)
- Blue (86%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (44%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7327, 55.7222, 76.0025 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 46.7327, 55.7222, 76.0025 by changing the saturation by 10% instead.

■ 46.7327, 55.7222,
76.0025

■ 46.7327, 55.7222,
76.0025

364.4133,
408.6437, 500.7033

■ 33.0315, 39.9802,
55.9279

■ 84.5357, 98.5983,
129.4906

■ 22.3099, 27.5231,
39.7415

■ 109.3681,
126.5012, 163.7411

■ 14.2027, 17.9665,
27.0248

138.6416,
159.2266, 203.5540

■ 8.3444, 10.9259,
17.3592

172.7216,
197.1587, 249.3479

■ 4.3698, 6.0171,
10.3263

211.9734,
240.6822, 301.5412

■ 1.9134, 2.8555,
5.5074

256.7624,

■ 0.5846, 1.0567,

290.1812, 360.5525

2.4840

307.4539,
346.0403, 426.8004

■ 0.0000, 0.0000,
0.8317

■ 0.0000, 0.0000,
0.0000

■ 46.7327, 55.7222,
76.0025

■ 46.7327, 55.7222,
76.0025

■ 42.3579, 52.1310,
75.5409

■ 51.8814, 59.7472,
76.5090

■ 38.7080, 48.9442,
75.1181

■ 57.8391, 64.2205,
77.0584

■ 35.7365, 46.1389,
74.7333

■ 64.6450, 69.1638,
77.6539

■ 33.3888, 43.6869,
74.3837

■ 72.3342, 74.5952,
78.2970

■ 31.6022, 41.5554,
74.0665

■ 80.9396, 80.5321,
78.9893

■ 30.2996, 39.7046,
73.7779

■ 82.3383, 82.7872,
79.3509

■ 29.7233, 38.7771,
73.6292

■ 83.3943, 84.8991,
79.7029

■ 84.4729, 87.0564,
80.0624

■ 85.5745, 89.2594,
80.4296

Harmonies

Analogous

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



45.2685, 55.7222, 63.7196



46.7327, 55.7222, 76.0025



49.8807, 55.7222, 84.9218

Triad

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



46.7327, 55.7222, 76.0025



60.8635, 55.7222, 70.1268



51.9224, 55.7222, 40.3058

Complementary

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



46.7327, 55.7222, 76.0025



46.6071, 41.3440, 31.9107

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.



56.1682, 55.7222, 41.5431



46.7327, 55.7222, 76.0025



61.4819, 55.7222, 57.7232

Square

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



46.7327, 55.7222, 76.0025



58.0749, 55.7222, 81.2255



59.7222, 55.7222, 47.5555



48.1589, 55.7222, 43.9159

Rectangle

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



46.7327, 55.7222, 76.0025



52.5875, 55.7222, 87.1648



59.7222, 55.7222, 47.5555



53.3388, 55.7222, 40.1779

Sweetspot

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



46.7344, 55.7244, 76.0038



84.9073, 92.7293, 108.0312



43.1534, 59.5398, 40.9686



17.8899, 19.6410, 23.0981



0.0000, 0.0000, 0.0000



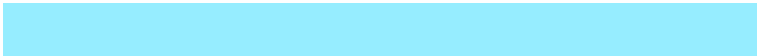
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7344, 55.7244, 76.0038



61.0293, 74.3841, 105.7487



38.6713, 39.5982, 73.3161



13.2455, 14.4308, 16.7394



17.5161, 22.9016, 43.2357



1.1859, 1.5859, 2.8180

Inverse Universe

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



50.7523, 39.6686, 64.0157



67.5218, 49.3380, 86.1764



53.9909, 56.1115, 34.3720



13.5138, 13.2346, 15.9668



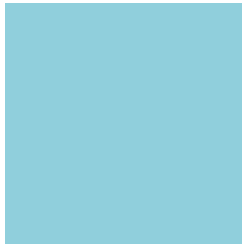
22.3366, 10.9357, 27.2165



1.4729, 0.7188, 1.8990

Previews

White Background



This preview shows how the XYZ color 46.7327, 55.7222, 76.0025 looks on a white background.

Color Contrast Check

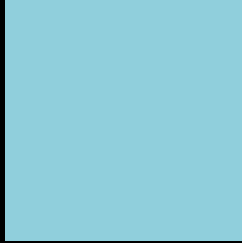
Large Text (above 18pt) WCAG AA × Fail

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 46.7327, 55.7222, 76.0025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

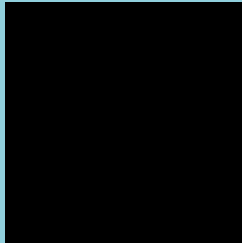
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7327, 55.7222, 76.0025

Background



This preview shows how black text looks on a background with the XYZ color 46.7327, 55.7222, 76.0025.



This preview shows how white text looks on a background with the XYZ color 46.7327, 55.7222,

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

46.7327, 55.7222, 76.0025

Protanopia

53.9044, 55.3858, 70.1368

Deuteranopia

56.3072, 55.1459, 77.4885



Tritanopia

47.3092, 55.9731, 78.1225

Trichromacy



Original Color

46.7327, 55.7222, 76.0025

Protanomaly

50.5937, 54.9833, 72.2362

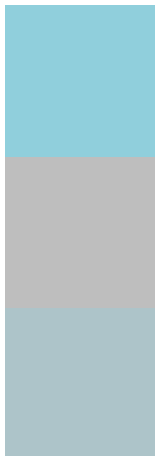
Deuteranomaly

52.2071, 55.0302, 76.9775

Tritanomaly

47.1747, 55.9193, 77.4144

Monochromacy



Original Color

46.7327, 55.7222, 76.0025

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.5161, 52.5811, 62.9031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7327, 55.7222, 76.0025 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(144, 207, 220)` looks like.

```
.text, #text, p{  
    color:rgb(144, 207, 220)  
}
```

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(144, 207, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 207, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.7327, 55.7222, 76.0025 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(144, 207, 220) }
```


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

```
.border{ border-color:rgb(144, 207, 220) }
```

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

Here you see how a box with a 4 pixel rgb(144, 207, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 207, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 207, 220);  
box-shadow:4px 4px 4px 4px rgb(144, 207,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7327, 55.7222, 76.0025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 207, 220) }
```

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

```
.background{ background-color: rgb(144,  
207, 220) }
```

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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