

Converting Colors

XYZ(32.1709, 41.3627, 78.9613)

Have a look what the booklet for
XYZ(32.1709, 41.3627, 78.9613)
contains.

XYZ(32.1709, 41.3627, 78.9613)	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(32.1709, 41.3627,
78.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	1EBBE3
RGB	30, 187, 227
RGB Percent	12%, 73%, 89%
CMY	0.8822, 0.2667, 0.1098
CMYK	0.87, 0.18, 0.00, 0.11
HSL	192°, 78%, 50%
HSV	192°, 87%, 89%
XYZ	32.1709, 41.3627, 78.9613
YIQ	144.6170, -106.4120, -20.8440

Conversions

Conversions Part 2

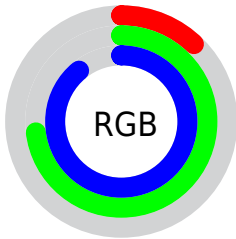
Format	Color
RYB	30, 117, 227
Decimal	2014179
CIELab	70.43, -24.09, -30.67
CIElCh	70, 38.998, 231.856
Yxy	41.3627, 0.2110, 0.2712
Android (android.graphics.Color)	4280204259 (0xFF1EBBE3)
YUV	144.6170, 40.6148, -100.5191
Hunter-Lab	64.3138, -23.2604, -27.7736

Details

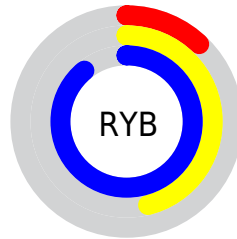
The XYZ color **32.1709, 41.3627, 78.9613** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.1053, 20.8084, 3.4489**, and the grayscale version is **26.6336, 28.0207, 30.5145**.

A 20% lighter version of the original color is **57.0400, 74.8986, 106.0583**, and **15.8758, 19.9905, 41.5499** is the 20% darker color. If you saturate the color by 10%, you get **30.7655, 39.2104, 78.6207**, and if you desaturate by 10%, it is **34.0837, 43.8247, 79.3365**.

Distribution



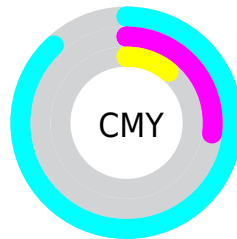
- Red (12%)
- Green (73%)
- Blue (89%)



- Red (12%)
- Yellow (46%)
- Blue (89%)



- Cyan (87%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (88%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1709, 41.3627, 78.9613 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 32.1709, 41.3627, 78.9613 by changing the saturation by 10% instead.

■ 32.1709, 41.3627,
78.9613

■ 32.1709, 41.3627,
78.9613

303.6285,
351.8342, 511.0396

■ 21.6482, 28.6026,
58.3429

■ 62.4423, 77.2342,
133.7025

■ 13.7138, 18.7804,
41.6678

■ 82.9218, 101.1143,
168.6624

■ 8.0023, 11.5117,
28.5177

■ 107.4509,
129.4700, 209.2399

■ 4.1482, 6.4121,
18.4738

■ 136.3950,
162.6855, 255.8535

■ 1.7863, 3.0973,
11.1177

■ 170.1194,
201.1453, 308.9217

■ 0.5094, 1.1827,
6.0309

208.9896,

■ 0.0000, 0.0475,

245.2338, 368.8631

2.7948

253.3708,
295.3353, 436.0962

■ 0.0000, 0.0000,
0.9908

■ 0.0000, 0.0000,
0.0000

■ 32.1709, 41.3627,
78.9613

■ 32.1709, 41.3627,
78.9613

■ 30.7655, 39.2104,
78.6207

■ 34.0837, 43.8247,
79.3365

■ 30.3698, 38.5552,
78.5151

■ 36.5904, 46.6391,
79.7476

■ 39.7633, 49.8445,
80.1991

■ 43.6631, 53.4724,
80.6938

■ 48.3435, 57.5510,
81.2344

■ 53.8528, 62.1056,
81.8231

■ 60.2354, 67.1595,
82.4622

■ 67.5326, 72.7343,
83.1537

■ 75.7827, 78.8502,
83.8993

Harmonies

Analogous

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



28.9324, 41.3627, 59.5242



32.1709, 41.3627, 78.9613



37.5909, 41.3627, 89.8898

Triad

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



32.1709, 41.3627, 78.9613



52.8459, 41.3627, 50.2338



34.8946, 41.3627, 19.5454

Complementary

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



32.1709, 41.3627, 78.9613



34.1053, 20.8084, 3.4489

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.



41.0890, 41.3627, 18.3195



32.1709, 41.3627, 78.9613



51.9222, 41.3627, 33.1145

Square

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



32.1709, 41.3627, 78.9613



49.8452, 41.3627, 70.5960



47.4432, 41.3627, 22.5595



30.3816, 41.3627, 26.5378

Rectangle

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



32.1709, 41.3627, 78.9613



41.9055, 41.3627, 89.2607



47.4432, 41.3627, 22.5595



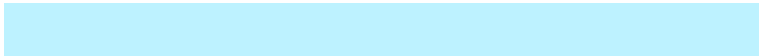
36.8316, 41.3627, 18.5388

Sweetspot

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



32.1723, 41.3642, 78.9623



70.5763, 81.2293, 106.5668



29.0929, 55.6502, 14.9072



14.5389, 16.9256, 22.7506



0.0000, 0.0000, 0.0000



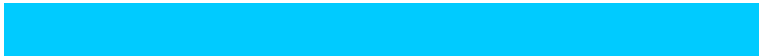
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1723, 41.3642, 78.9623



39.4575, 50.0350, 102.1858



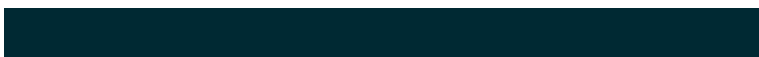
17.9838, 12.9871, 74.2328



14.5459, 15.8131, 18.4299



17.7968, 22.6558, 45.8182



1.3782, 1.8004, 3.4068

Inverse Universe

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



41.1138, 20.8489, 48.8723



52.0455, 25.5822, 58.8311



45.8994, 44.3965, 7.3803



14.8631, 14.5624, 17.4795



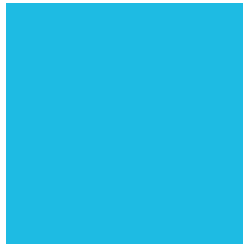
23.3765, 11.4848, 26.6755



1.7593, 0.8614, 2.1389

Previews

White Background



This preview shows how the XYZ color 32.1709, 41.3627, 78.9613 looks on a white background.

Color Contrast Check

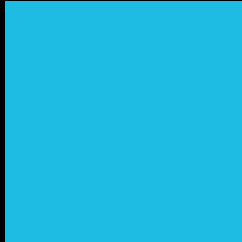
Large Text (above 18pt) WCAG AA × Fail

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 32.1709, 41.3627, 78.9613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

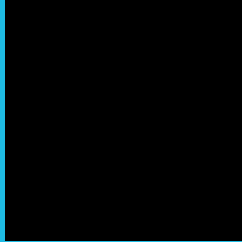
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1709, 41.3627, 78.9613

Background



This preview shows how black text looks on a background with the XYZ color 32.1709, 41.3627, 78.9613.



This preview shows how white text looks on a background with the XYZ color 32.1709, 41.3627,

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

32.1709, 41.3627, 78.9613

Protanopia

40.8228, 40.7046, 69.3235

Deuteranopia

41.9382, 41.0155, 81.3077



Tritanopia

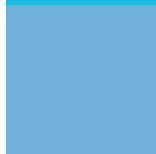
29.4329, 41.2347, 64.1654

Trichromacy



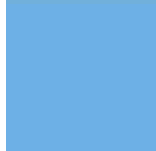
Original Color

32.1709, 41.3627, 78.9613



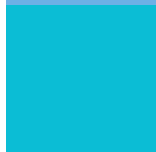
Protanomaly

35.1216, 39.6759, 72.8249



Deuteranomaly

36.1149, 40.0150, 80.6831



Tritanomaly

30.3458, 41.2704, 69.3174

Monochromacy



Original Color

32.1709, 41.3627, 78.9613



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.9022, 31.1203, 45.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1709, 41.3627, 78.9613 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(30, 187, 227)` looks like.

```
.text, #text, p{  
    color:rgb(30, 187, 227)  
}
```

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(30, 187, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 187, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.1709, 41.3627, 78.9613 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(30, 187, 227) }
```


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

```
.border{ border-color:rgb(30, 187, 227) }
```

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

Here you see how a box with a 4 pixel rgb(30, 187, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 187, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 187, 227);  
box-shadow:4px 4px 4px 4px rgb(30, 187,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1709, 41.3627, 78.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 187, 227) }
```

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

```
.background{ background-color: rgb(30, 187,  
227) }
```

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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