

Converting Colors

XYZ(17.7034, 21.0421, 44.7287)

Have a look what the booklet for
XYZ(17.7034, 21.0421, 44.7287)
contains.

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Color

**XYZ(17.7265, 21.0831,
44.7301)**

Conversions

Conversions Part 1

Format	Color
Hex	2E87B1
RGB	46, 135, 177
RGB Percent	18%, 53%, 69%
CMY	0.8196, 0.4706, 0.3059
CMYK	0.74, 0.24, 0.00, 0.31
HSL	199°, 59%, 44%
HSV	199°, 74%, 69%
XYZ	17.7265, 21.0831, 44.7301
YIQ	113.1770, -66.5260, -5.8060

Conversions

Conversions Part 2

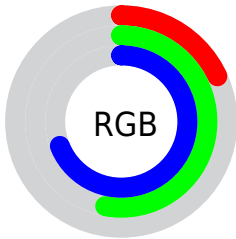
Format	Color
RYB	46, 99, 177
Decimal	3049393
CIELab	53.04, -11.92, -29.64
CIElCh	53, 31.948, 248.097
Yxy	21.0831, 0.2122, 0.2524
Android (android.graphics.Color)	4281239473 (0xFF2E87B1)
YUV	113.1770, 31.4647, -58.9142
Hunter-Lab	45.9163, -11.4417, -25.6168

Details

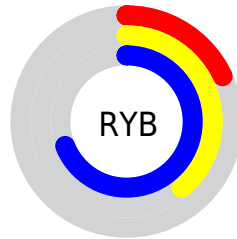
The XYZ color **17.7265, 21.0831, 44.7301** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.1154, 16.5254, 4.6099**, and the grayscale version is **15.6733, 16.4895, 17.9571**.

A 20% lighter version of the original color is **39.1216, 45.1646, 83.7465**, and **6.8866, 7.9522, 20.2408** is the 20% darker color. If you saturate the color by 10%, you get **16.3166, 19.2123, 44.4437**, and if you desaturate by 10%, it is **19.5087, 23.2092, 45.0470**.

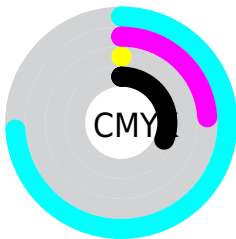
Distribution



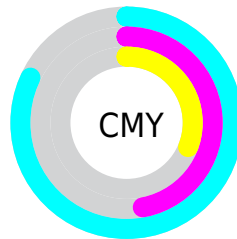
- Red (18%)
- Green (53%)
- Blue (69%)



- Red (18%)
- Yellow (39%)
- Blue (69%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)



- Cyan (82%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7265, 21.0831, 44.7301 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 17.7265, 21.0831, 44.7301 by changing the saturation by 10% instead.

■ 17.7265, 21.0831,
44.7301

■ 17.7265, 21.0831,
44.7301

232.4004,
257.7198, 381.8076

■ 10.8523, 13.1848,
30.9035

■ 39.1045, 45.2258,
83.6294

■ 6.0342, 7.5559,
20.2675

■ 54.3390, 62.2389,
109.5392

■ 2.9067, 3.8121,
12.4037

■ 73.0910, 83.0591,
140.3137

■ 1.1046, 1.5690,
6.8933

■ 95.7258, 108.0708,
176.3717

■ 0.0290, 0.3366,
3.3181

■ 122.6088,
137.6583, 218.1315

■ 0.0000, 0.0000,
1.2592

154.1053,

■ 0.0000, 0.0000,

172.2060, 266.0117

0.0280

190.5807,
212.0984, 320.4309

■ 0.0000, 0.0000,
0.0000

■ 17.7265, 21.0831,
44.7301

■ 17.7265, 21.0831,
44.7301

■ 16.3166, 19.2123,
44.4437

■ 19.5087, 23.2092,
45.0470

■ 15.2328, 17.5710,
44.1840

■ 21.6976, 25.6083,
45.3947

■ 14.6825, 16.6675,
44.0387

■ 24.3261, 28.2984,
45.7754

■ 27.4226, 31.2953,
46.1906

■ 31.0131, 34.6132,
46.6418

■ 35.1218, 38.2654,
47.1302

■ 39.7709, 42.2643,
47.6570

■ 44.9816, 46.6215,
48.2234

■ 50.7736, 51.3481,
48.8305

Harmonies

Analogous

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



15.3769, 21.0831, 36.3529



17.7265, 21.0831, 44.7301



20.9617, 21.0831, 46.5480

Triad

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



17.7265, 21.0831, 44.7301



27.1315, 21.0831, 20.4496



16.3148, 21.0831, 11.2661

Complementary

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



17.7265, 21.0831, 44.7301



22.1154, 16.5254, 4.6099

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.



19.1435, 21.0831, 9.0885



17.7265, 21.0831, 44.7301



25.5590, 21.0831, 13.3359

Square

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



17.7265, 21.0831, 44.7301



26.6431, 21.0831, 30.5641



22.5440, 21.0831, 9.7226



14.6275, 21.0831, 16.7283

Rectangle

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



17.7265, 21.0831, 44.7301



23.2347, 21.0831, 43.4260



22.5440, 21.0831, 9.7226



17.1504, 21.0831, 10.2066

Sweetspot

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



17.7272, 21.0838, 44.7306



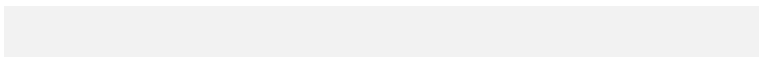
56.6782, 63.0154, 83.6712



18.5898, 32.7218, 14.4583



11.8891, 13.3001, 18.0849



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.7272, 21.0838, 44.7306



27.8971, 32.4497, 79.2884



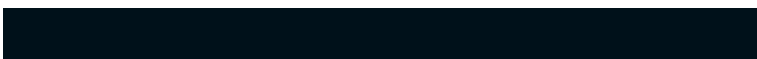
11.2547, 8.1388, 42.5731



8.5084, 9.1629, 10.8265



10.6945, 12.1893, 31.9261



0.3864, 0.4834, 1.0212

Inverse Universe

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



23.4823, 13.0512, 24.2038



39.5276, 20.1269, 36.9286



30.0139, 32.3223, 7.2427



8.7318, 8.5994, 10.0860



15.6327, 7.7707, 13.7578



0.5171, 0.2546, 0.5656

Previews

White Background



This preview shows how the XYZ color 17.7265, 21.0831, 44.7301 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7265, 21.0831, 44.7301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

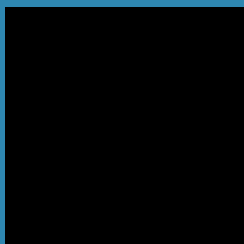
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

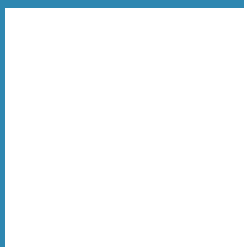
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7265, 21.0831, 44.7301

Background



This preview shows how black text looks on a background with the XYZ color 17.7265, 21.0831, 44.7301.

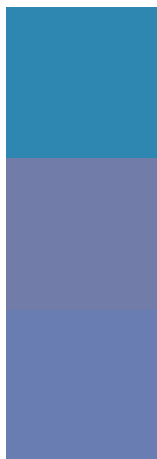


This preview shows how white text looks on a background with the XYZ color 17.7265, 21.0831,

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

17.7265, 21.0831, 44.7301

Protanopia

21.1791, 20.7906, 40.4328

Deuteranopia

21.4142, 20.9861, 45.5699



Tritanopia

15.2525, 21.1393, 32.5546

Trichromacy



Original Color

17.7265, 21.0831, 44.7301

Protanomaly

19.2854, 20.5407, 41.9780

Deuteranomaly

19.5423, 20.7997, 45.1042

Tritanomaly

15.9403, 20.9762, 36.4664

Monochromacy



Original Color

17.7265, 21.0831, 44.7301

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4011, 17.5762, 25.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7265, 21.0831, 44.7301 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(46, 135, 177)` looks like.

```
.text, #text, p{  
    color:rgb(46, 135, 177)  
}
```

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(46, 135, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 135, 177) }
```

Border

The CSS property to change the border of an element to XYZ 17.7265, 21.0831, 44.7301 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(46, 135, 177) }
```


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

```
.border{ border-color:rgb(46, 135, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 135, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 135, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 135, 177);  
box-shadow:4px 4px 4px 4px rgb(46, 135,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7265, 21.0831, 44.7301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 135, 177) }
```

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

```
.background{ background-color: rgb(46, 135,  
177) }
```

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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