

Converting Colors

XYZ(22.2286, 14.1558, 96.1685)

Have a look what the booklet for
XYZ(22.2286, 14.1558, 96.1685)
contains.

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Color

**XYZ(22.2533, 14.2092,
96.1775)**

Conversions

Conversions Part 1

Format	Color
Hex	2A55FF
RGB	42, 85, 255
RGB Percent	16%, 33%, 100%
CMY	0.8352, 0.6667, 0.0000
CMYK	0.84, 0.67, 0.00, 0.00
HSL	228°, 100%, 58%
HSV	228°, 84%, 100%
XYZ	22.2533, 14.2092, 96.1775
YIQ	91.5230, -80.1980, 43.7540

Conversions

Conversions Part 2

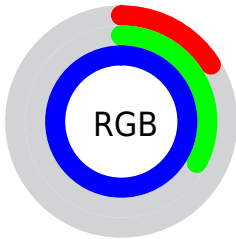
Format	Color
RYB	42, 78, 255
Decimal	2774527
CIELab	44.53, 47.26, -87.53
CIELCh	45, 99.474, 298.364
Yxy	14.2092, 0.1678, 0.1071
Android (android.graphics.Color)	4280964607 (0xFF2A55FF)
YUV	91.5230, 80.5942, -43.4317
Hunter-Lab	37.6951, 39.4111, -124.8895

Details

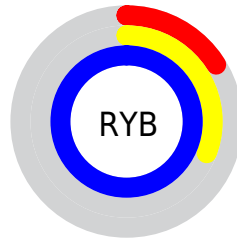
The XYZ color **22.2533, 14.2092, 96.1775** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **65.2079, 68.5264, 11.9827**, and the grayscale version is **9.8997, 10.4152, 11.3422**.

A 20% lighter version of the original color is **35.3182, 28.9836, 98.3407**, and **10.8368, 5.5488, 53.3232** is the 20% darker color. If you saturate the color by 10%, you get **20.1426, 11.0746, 95.6837**, and if you desaturate by 10%, it is **25.4883, 18.6070, 96.8559**.

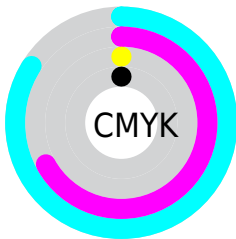
Distribution



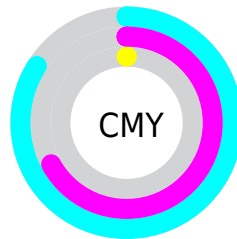
- Red (16%)
- Green (33%)
- Blue (100%)



- Red (16%)
- Yellow (31%)
- Blue (100%)



- Cyan (84%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2533, 14.2092, 96.1775 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 22.2533, 14.2092, 96.1775 by changing the saturation by 10% instead.

■ 22.2533, 14.2092,
96.1775

■ 22.2533, 14.2092,
96.1775

256.4738,
218.5284, 569.0081

■ 14.1608, 8.2663,
72.5131

■ 46.6400, 33.4598,
157.8999

■ 8.3150, 4.2658,
53.0885

■ 63.6650, 47.5362,
196.7950

■ 4.3507, 1.8233,
37.4852

■ 84.3981, 65.0927,
241.6041

■ 1.9024, 0.5017,
25.2847

■ 109.2047, 86.5135,
292.7457

■ 0.5782, 0.0000,
16.0683

■ 138.4503,
112.1831, 350.6384

■ 0.0000, 0.0000,
9.4176

172.5000,

■ 0.0000, 0.0000,

142.4858, 415.7006

4.9141

211.7194,
177.8061, 488.3510

■ 0.0000, 0.0000,
2.1391

■ 0.0000, 0.0000,
0.6389

■ 22.2533, 14.2092,
96.1775

■ 22.2533, 14.2092,
96.1775

■ 20.1426, 11.0746,
95.6837

■ 25.4883, 18.6070,
96.8559

■ 19.2538, 9.6276,
95.4513

■ 29.9899, 24.3952,
97.7359

■ 35.8807, 31.6850,
98.8324

■ 43.2675, 40.5753,
100.1591

■ 52.2462, 51.1563,
101.7282

■ 62.9046, 63.5113,
103.5512

■ 75.3240, 77.7181,
105.6388

■ 89.5803, 93.8496,
108.0011

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



13.0692, 14.2092, 115.2053



22.2533, 14.2092, 96.1775



31.3880, 14.2092, 52.2102

Triad

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



22.2533, 14.2092, 96.1775



23.3361, 14.2092, 0.0000



3.2016, 14.2092, 14.2424

Complementary

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



22.2533, 14.2092, 96.1775



65.2079, 68.5264, 11.9827

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.



4.1609, 14.2092, 1.9346



22.2533, 14.2092, 96.1775



13.9513, 14.2092, 0.0000

Square

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



22.2533, 14.2092, 96.1775



32.1682, 14.2092, 2.5348



7.4159, 14.2092, 0.0000



3.9630, 14.2092, 47.4412

Rectangle

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



22.2533, 14.2092, 96.1775



34.9880, 14.2092, 26.2195



7.4159, 14.2092, 0.0000



3.3223, 14.2092, 8.1540

Sweetspot

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



22.2541, 14.2094, 96.1775



61.2187, 61.5687, 103.2651



48.2064, 76.6090, 72.4737



12.2791, 12.2251, 21.9625



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.



22.2541, 14.2094, 96.1775



19.2538, 9.6276, 95.4513



24.3998, 11.7237, 95.5846



17.2998, 17.9712, 22.8069



10.1437, 5.1970, 49.9031



1.0605, 0.6517, 4.8832

Inverse Universe

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



43.7084, 23.5734, 10.8404



41.8476, 21.5031, 5.1297



58.5953, 83.2437, 15.1719



18.1592, 18.0470, 19.4556



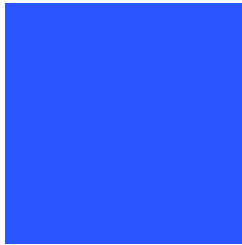
21.9083, 11.2526, 2.9014



2.1699, 1.1103, 0.4761

Previews

White Background



This preview shows how the XYZ color 22.2533, 14.2092, 96.1775 looks on a white background.

Color Contrast Check

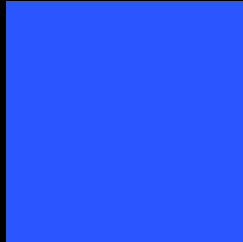
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.2533, 14.2092, 96.1775 looks on a black 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

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

XYZ 22.2533, 14.2092, 96.1775

Background



This preview shows how black text looks on a background with the XYZ color 22.2533, 14.2092, 96.1775.



This preview shows how white text looks on a background with the XYZ color 22.2533, 14.2092,

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

22.2533, 14.2092, 96.1775

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

13.5982, 13.8516, 45.6730



Tritanopia

9.7582, 13.8959, 20.5802

Trichromacy



Original Color

22.2533, 14.2092, 96.1775

Protanomaly

18.2928, 13.8874, 75.1152

Deuteranomaly

16.0440, 13.5793, 61.4500

Tritanomaly

12.5043, 13.1070, 39.9011

Monochromacy



Original Color

22.2533, 14.2092, 96.1775

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.9823, 10.8350, 30.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2533, 14.2092, 96.1775 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(42, 85, 255)` looks like.

```
.text, #text, p{  
  color:rgb(42, 85, 255)  
}
```

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(42, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.2533, 14.2092, 96.1775 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(42, 85, 255) }
```


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

```
.border{ border-color:rgb(42, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2533, 14.2092, 96.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 85, 255) }
```

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

```
.background{ background-color: rgb(42, 85,  
255) }
```

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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