

Converting Colors

XYZ(25.7620, 20.6173, 97.2295)

Have a look what the booklet for
XYZ(25.7620, 20.6173, 97.2295)
contains.

XYZ(25.7765, 20.6464, 97.2343)	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(25.7765, 20.6464,
97.2343)**

Conversions

Conversions Part 1

Format	Color
Hex	3375FF
RGB	51, 117, 255
RGB Percent	20%, 46%, 100%
CMY	0.7999, 0.5412, 0.0000
CMYK	0.80, 0.54, 0.00, 0.00
HSL	221°, 100%, 60%
HSV	221°, 80%, 100%
XYZ	25.7765, 20.6464, 97.2343
YIQ	112.9980, -83.6340, 28.9260

Conversions

Conversions Part 2

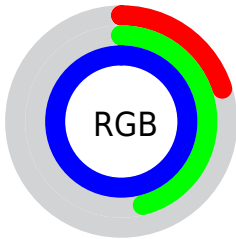
Format	Color
R _Y B	51, 101, 255
Decimal	3372543
CIE Lab	52.56, 28.12, -74.39
CIE LCh	53, 79.528, 290.710
Yxy	20.6464, 0.1794, 0.1437
Android (android.graphics.Color)	4281562623 (0xFF3375FF)
YUV	112.9980, 70.0070, -54.3722
Hunter-Lab	45.4383, 21.7434, -95.0690

Details

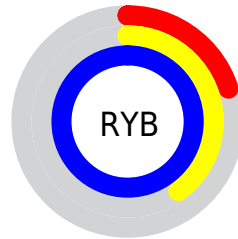
The XYZ color **25.7765, 20.6464, 97.2343** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **60.0393, 57.9020, 11.1458**, and the grayscale version is **15.5142, 16.3221, 17.7748**.

A 20% lighter version of the original color is **41.1059, 39.8924, 100.1412**, and **12.2682, 8.4115, 53.8003** is the 20% darker color. If you saturate the color by 10%, you get **22.9969, 16.4995, 96.5804**, and if you desaturate by 10%, it is **29.6317, 25.8976, 98.0447**.

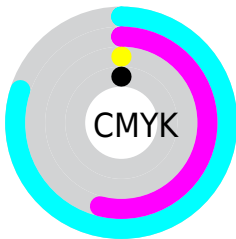
Distribution



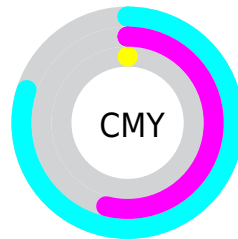
- Red (20%)
- Green (46%)
- Blue (100%)



- Red (20%)
- Yellow (40%)
- Blue (100%)



- Cyan (80%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7765, 20.6464, 97.2343 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 25.7765, 20.6464, 97.2343 by changing the saturation by 10% instead.

■ 25.7765, 20.6464,
97.2343

■ 25.7765, 20.6464,
97.2343

273.9601,
255.3933, 572.4594

■ 16.7883, 12.8658,
73.3889

■ 52.3480, 44.4983,
159.3698

■ 10.1780, 7.3362,
53.8002

■ 70.6621, 61.3384,
198.4970

■ 5.5803, 3.6732,
38.0499

■ 92.8155, 81.9670,
243.5551

■ 2.6298, 1.4925,
25.7193

■ 119.1736,
106.7687, 294.9628

■ 0.9612, 0.2834,
16.3899

150.1018,
136.1278, 353.1385

■ 0.0000, 0.0000,
9.6431

185.9653,

■ 0.0000, 0.0000,

170.4286, 418.5008

5.0605

227.1296,
210.0557, 491.4683

■ 0.0000, 0.0000,
2.2234

■ 0.0000, 0.0000,
0.6878

■ 25.7765, 20.6464,
97.2343

■ 25.7765, 20.6464,
97.2343

■ 22.9969, 16.4995,
96.5804

■ 29.6317, 25.8976,
98.0447

■ 21.1051, 13.3300,
96.0683

■ 34.6793, 32.3413,
99.0224

■ 21.1040, 13.3280,
96.0680

■ 41.0221, 40.0566,
100.1773

■ 48.7504, 49.1144,
101.5184

■ 57.9460, 59.5800,
103.0538

■ 68.6838, 71.5139,
104.7913

■ 81.0335, 84.9731,
106.7383

■ 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.



17.1756, 20.6464, 103.5701



25.7765, 20.6464, 97.2343



34.6167, 20.6464, 65.1933

Triad

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



25.7765, 20.6464, 97.2343



31.4634, 20.6464, 2.4753



7.7733, 20.6464, 15.9221

Complementary

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



25.7765, 20.6464, 97.2343



60.0393, 57.9020, 11.1458

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.



9.7386, 20.6464, 4.2505



25.7765, 20.6464, 97.2343



22.2942, 20.6464, 0.8485

Square

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



25.7765, 20.6464, 97.2343



38.4867, 20.6464, 9.9497



14.5374, 20.6464, 1.1450



8.2218, 20.6464, 42.6462

Rectangle

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



25.7765, 20.6464, 97.2343



38.6973, 20.6464, 41.0483



14.5374, 20.6464, 1.1450



8.1468, 20.6464, 10.5757

Sweetspot

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



25.7774, 20.6469, 97.2344



64.1914, 66.5520, 104.0703



46.0964, 75.8124, 59.2208



12.9304, 13.3439, 22.1441



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.



25.7774, 20.6469, 97.2344



21.7822, 14.4949, 96.2575



22.9823, 11.5212, 95.6203



17.4827, 18.3370, 22.8679



11.1467, 7.2031, 50.2374



1.1796, 0.8898, 4.9229

Inverse Universe

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



45.6355, 24.9136, 19.2332



43.1701, 22.2092, 11.5478



66.1776, 87.1318, 16.4642



18.2515, 18.0839, 19.9418



22.4146, 11.4551, 5.5675



2.2300, 1.1344, 0.7926

Previews

White Background



This preview shows how the XYZ color 25.7765, 20.6464, 97.2343 looks on a white background.

Color Contrast Check

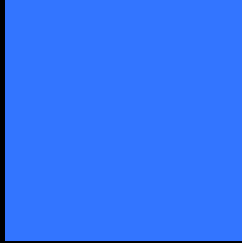
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7765, 20.6464, 97.2343 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

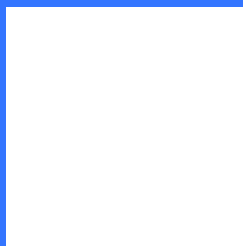
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7765, 20.6464, 97.2343

Background



This preview shows how black text looks on a background with the XYZ color 25.7765, 20.6464, 97.2343.



This preview shows how white text looks on a background with the XYZ color 25.7765, 20.6464,

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

25.7765, 20.6464, 97.2343

Protanopia

24.7665, 20.6529, 97.2888

Deuteranopia

20.5076, 20.3461, 70.5565



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

25.7765, 20.6464, 97.2343

Protanomaly

24.9154, 20.5521, 97.2615

Deuteranomaly

22.0595, 20.1876, 79.8247

Tritanomaly

17.1141, 19.6489, 49.3450

Monochromacy



Original Color

25.7765, 20.6464, 97.2343

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0253, 16.9249, 37.9668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7765, 20.6464, 97.2343 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(51, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 117, 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(51, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 25.7765, 20.6464, 97.2343 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(51, 117, 255) }
```


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

```
.border{ border-color:rgb(51, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 117, 255); box-shadow:4px 4px 4px 4px rgb(51, 117, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7765, 20.6464, 97.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 117, 255) }
```

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

```
.background{ background-color: rgb(51, 117,  
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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